

ACCESSIBLE SIGNAGE REQUIREMENTS

INTERIOR SIGNAGE SCHEDULE

DOOR NO.	ROOM NAME	SIGN TYPE	SIGN TEXT
110.A	WOMEN	Α	
111.A	MEN	В	
112.A	JAN.	С	JANITOR
113.A	DATA	С	IDF / ELECTRICAL ROOM
114.A	ELEC.	С	ELECTRICAL ROOM
115.A	WEST STAIR	D	
115.B	WEST STAIR	E	
116.A	CORRIDOR	SEE NOTE 6.	
117.A	SPRINKLER	С	SPRINKLER ROOM
210.A	WOMEN	A	
211.A	MEN	В	
213.A	DATA	С	IDF / ELECTRICAL ROOM
214.A	ELEC.	С	ELECTRICAL ROOM
215.A	WEST STAIR	D	
310.A	WOMEN	A	
311.A	MEN	В	
313.A	DATA	С	IDF / ELECTRICAL ROOM
314.A	ELEC.	С	ELECTRICAL ROOM
315.A	WEST STAIR	D	

SIGN TYPES 'A'-'E' SHALL BE ACRYLIC, BACKGROUND TO MATCH SW 7068 'GRIZZLE GREY' WITH

SIGN TYPE 'F' SHALL BE SATIN STAINLESS STEEL BACKGROUND WITH CHARCOAL LETTERS. TYPE 'F' SHALL BE LOCATED AT EACH ELEVATOR LOBBY, REFER TO T.I. PLANS FOR FINAL

- TACTILE & BRAILE CHARACTERS a. CHARACTERS SHALL BE RAISED MINIMUM 1/32"
- CHARATERS SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE
- TYPESTYLES
- a. CHARACTERS SHALL BE UPPER CASE & SANS SERIF OR SERIF TYPESTYLE CHARACTERS SHALL BE A MINIMUM OF 5/8" HIGH AND MAXIMUM 2" HIGH
- PICTOGRAMS (SYMBOLS) a. PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION
- PLACED DIRECTLY BELOW THE PICTORGRAM AS INDICATED. THE BORDER DIMENSION OF THE PICTORGRAM SHALL BE 6" MIN. IN HEIGHT
- MATERIAL AND FINISH
- CHARACTERS AND BACKGROUND SHALL BE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH AS RECOMMENDED BY THE SIGN MANUFACTURER. BACKGROUND SHALL CONSIST OF 1/4" PLASTIC
- CHARACTERS AND SYMBOLS SHALL ADEQUATELY CONTRAST WITH THEIR BACKGROUND, THE RECOMMENDED FINISH IS LIGHT CHARACTERS ON A DARK BACKGROUND WITH A 70% DEGREE OF CONTRAST
- MOUNTING LOCATION AND HEIGHT MOUNT AT 60" ABOVE FINISH FLOOR TO THE CENTER OF SIGN
- MOUNT ON WALL ADJACENT TO THE LATCH SIDE OF THE DOOR IF NO WALL SPACE EXISTS ON THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE
- LEAF DOORS, MOUNT ON THE NEAREST ADJACENT WALL
- EXTERIOR DOOR 116.A TO INCLUDE 4" HIGH VINYL WHITE LETTERS W/ MIN. 0.5" STROKE READING "SPRINKLER ROOM" APPLIED TO GLASS DOOR, AS REQ'D BY LOCAL FIRE DEPT.

DIRECTIONAL INFORMATION

OTHER SIGNS WHICH PROVIDE DIRECTION TO OR INFORMATION ABOUT FUNCTIONAL SPACES OF THE BUILDING SHALL COMPLY WITH ADAAG SECTIONS: 4.30.1, 4.30.2, 3.30.3, 4.30.5

PARKING SIGNAGE

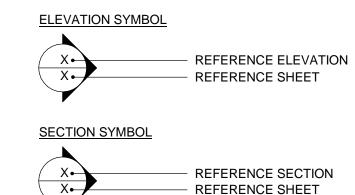
SEE CIVIL PLAN FOR ADA PARKING LIGN LOCATIONS AND DESIGN. INCLUDE ANY ADDITIONAL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION, SHALL BE PROVIDED AT ALL ACCESSIBLE PARKING STALLS.

DRAWING SYMBOLS LEGEND

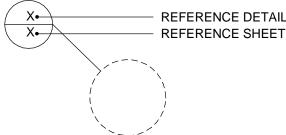
EXISTING CONSTRUCTION TO REMAIN □ □ □ □ EXISTING CONSTRUCTION TO BE DEMOLISHED

NEW CONSTRUCTION

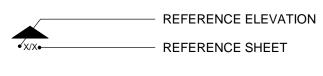
- WALL TYPE DESIGNATION -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DRAWING A0.02 FOR CONSTRUCTION REQUIREMENTS.
- **ROOM NAME AND NUMBER -**REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE FINISH SCHEDULE FOR FINISHES.
- DOOR AND FRAME DESIGNATION -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DOOR AND FRAME SCHEDULE FOR REQUIREMENTS.



ENLARGED DETAIL / ENLARGED PLAN SYMBOL



INTERIOR ELEVATION SYMBOL



FINISH DESIGNATION SYMBOL

XX-1 WALL FINISH DESIGNATION XX-1 BASE FINISH DESIGNATION - LIMITS OF WALL AND BASE FINISHES

REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE FINISH SCHEDULE FOR DESCRIPTIONS.

FLOOR FINISH DESIGNATION -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE FINISH SCHEDULE FOR DESCRIPTIONS.

REVISION NOTE

CONSTRUCTION NOTE

DEMOLITION NOTE

RESTROOM ACCESSORY DESIGNATION -

GYPSUM BOARD CONTROL JOINT -REFERENCE FLOOR PLAN(S) FOR LOCATIONS. REFERENCE DETAIL 1&2/A0.02 FOR CONSTRUCTION REQUIREMENTS

MASONRY CONTROL JOINT -REFERENCE FLOOR PLAN(S) & ELEVATIONS FOR LOCATIONS. WALL MOUNTED FIRE EXTINGUISHER BY LARSEN'S MANUFACTURING COMPANY, WWW.LARSENMFG.COM, MODEL MP10 W/B2 MOUNTING BRACKET, REFERENCE FLOOR PLAN(S) FOR LOCATIONS. MOUNT SO

CENTERLINE OF EXTINGUISHER IS 46" A.F.F.

SEMI-RECESSED FIRE EXTINGUISHER BY LARSEN'S MANUFACTURING COMPANY, WWW.LARSENMFG.COM OR APPROVED EQUAL: ARCHITECTURAL SERIES, MODEL # AL-2409-6R. ALUMINUM, SEMI-RECESSED (2 ½" PROTRUSION FROM WALL WITH ROLLED EDGES), SOLID DOOR WITH RECESSED HANDLE, ENGRAVED VERTICAL LETTERS WITH NO BACKFILL "FIRE EXTINGUISHER" ON DOOR. CABINET TO BE PROVIDED WITH MP10 FIRE EXTINGUISHER AND MANUFACTURER'S STANDARD MOUNTING BRACKET. MOUNT SO CENTERLINE OF CABINET HANDLE IS 46" A.F.F.

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE MINIMUM STANDARDS OF THE APPLICABLE CODE INDICATED IN THE BUILDING SUMMARY COLUMN AND ALL LOCAL CODES PRESENTLY IN EFFECT UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.
- ALL NEW CONSTRUCTION SHALL COMPLY W/THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND CHAPTER 11 OF THE INTERNATIONAL BUILDING CODE (INCLUDES ICC A117.1 PER IBC)
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, LICENSES, AND ALL UTILITY CHARGES, AND ARRANGE FOR ALL REQUIRED INSPECTIONS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING BUILDING & SITE UTILITIES BETWEEN CIVIL & MEP DRAWINGS. THE CONTRACTOR SHALL ALSO CONTACT ALL APPLICABLE UTILITY COMPANIES & PROVIDE CONDUIT & OTHER FACILITIES AS REQUIRED.
- THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS & CONDITIONS ON THE JOB SITE PRIOR TO THE BIDDING OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES. IN CASES OF DISCREPANCY CONCERNING DIMENSIONS, QUANTITIES AND LOCATION, THE CONTRACTOR SHALL, IN WRITING, CALL TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES BETWEEN SPECIFICATIONS, PLANS, DETAILS OR SCHEDULES. THE ARCHITECT WILL THEN INFORM THE CONTRACTOR, IN WRITING, WHICH DOCUMENT TAKES PRECEDENCE. THERE SHALL BE NO ADJUSTMENT TO THE COST OR TIME OF THE WORK RESULTING FROM CLARIFICATION OF SUCH DISCREPANCIES.
- DIMENSIONS ON DRAWINGS ARE SHOWN TO FINISHED FACE OF WALLS AND PARTITIONS OF EXISTING OR NEW CONSTRUCTION UNLESS OTHERWISE NOTED. CEILING HEIGHT DIMENSIONS AND ALL OTHER VERTICAL DIMENSIONS ARE TO THE FINISHED FLOOR SURFACE UNLESS OTHERWISE NOTED.
- ALL MATERIALS SPECIFIED OR NOTED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS. PRODUCT DATA, OR SAMPLES FOR CASEWORK, FINISHES, DOORS, FRAMES, HARDWARE, MECHANICAL, ELECTRICAL, AND PLUMBING FIXTURES, AND OTHER ITEMS REQUIRING ARCHITECT'S REVIEW FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS, AND FOR ALL ITEMS WHICH ALLOWED CONTRACTOR OPTIONS. PRIOR TO FORWARDING TO THE ARCHITECT FOR REVIEW. THESE SUBMITTALS MUST BE REVIEWED BY THE CONTRACTOR FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO. ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL AFFIX A STAMP TO SUBMITTAL INDICATING HIS REVIEW. SUBMITTALS FORWARDED WITHOUT A STAMP WILL BE RETURNED. ALL SUBMITTALS MUST BE REVIEWED BY THE ARCHITECT PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ALL WORK AGAINST FAULT OF ANY MATERIAL OR WORKMANSHIP FOR A PERIOD OF NOT LESS THAN ONE YEAR AFTER COMPLETION OR ACCEPTANCE. FAULTY WORK SHALL BE REPLACED OR REPAIRED AS REQUIRED AT NO COST TO THE OWNER.
- CONTRACTOR SHALL COORDINATE WITH OWNER ALL ITEMS TO BE SALVAGED PRIOR TO SUBMISSION OF BIDS AND START OF CONSTRUCTION. OWNER SHALL HAVE SALVAGE RIGHTS TO RETAIN ALL REMOVED ITEMS.
- ALL CHANGES PROPOSED DURING CONSTRUCTION WHICH RESULT IN A CHANGE TO THE CONTRACT TIME AND/OR SUM SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING AND APPROVED BY THE ARCHITECT AND OWNER BEFORE SUCH WORK SHALL COMMENCE.
- 12. CONTRACTOR SHALL COORDINATE CLEAR OPENINGS FOR ALL APPLIANCES PRIOR TO CONSTRUCTION OF CASEWORK.
- CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE-RETARDANT TREATED WOOD BLOCKING BEHIND ALL CABINETS. TOILET ACCESSORIES. PLUMBING FIXTURES. AND OTHER WALL MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.
- 14. CONTRACTOR SHALL COORDINATE ALL LOCK AND LATCH SETS AND FINAL KEYING WITH OWNER. DOUBLE KEYED LOCKS ARE NOT PERMITTED ON ANY REQUIRED OR MARKED EXIT. MATCH EXISTING KEYING SYSTEM IF ONE IS EXISTING.
- 15. ALL DOOR HARDWARE ON EXIT DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT.
- CONTRACTOR SHALL PREPARE ALL NEW AND EXISTING SURFACES SCHEDULED TO RECEIVE NEW FINISHES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE SUBSTRATE & FINISH BEING APPLIED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING CONSTRUCTION INDICATED TO REMAIN AND SHALL REPAIR AND/OR REPLACE ALL AREAS AND/OR MATERIALS DAMAGED DURING CONSTRUCTION AT A MINIMUM TO THE CONDITION WHICH EXISTED PRIOR TO CONSTRUCTION.
- 18. CONTRACTOR SHALL COORDINATE FINAL QUANTITY AND LOCATIONS OF FIRE EXTINGUISHERS WITH THE FIRE DEPARTMENT AND/OR BUILDING DEPARTMENT. SEE SYMBOLS LEGEND FOR TYPE OF EXTINGUISHER.
- 19. ALL CONSTRUCTION MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A MAXIMUM FLAME SPREAD RATING OF 25 AND MAXIMUM SMOKE DEVELOPED RATING OF 50.
- 20. ALL PIPING, LOW VOLTAGE WIRE AND CABLE, OPTICAL FIBER, PNEUMATIC TUBING, AND ALL DUCT AND DUCT COVERINGS, LININGS AND CONNECTORS INSTALLED WITHIN PLENUMS
- 21. TENANT SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF VOICE AND DATA CABLING AND EQUIPMENT.
- 22. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE AUTOMATIC SPRINKLER SYSTEM. THE DESIGN SHALL BE PER NFPA REQUIREMENTS.
- 23. ALL NEW GLASS AND GLAZING LOCATED IN HAZARDOUS LOCATIONS AS DEFINED IN IBC SECTION 2406.3 SHALL MEET THE REQUIREMENTS FOR SAFETY GLAZING AS DEFINED IN IBC
- 24. IF THE CONTRACTOR FAILS TO SUBMIT A MATERIAL FOR APPROVAL, THE MATERIAL MAY BE REQUIRED TO BE REMOVED BY THE CONTRACTOR EITHER BY DIRECTION OF THE OWNER
- 25. ALL HIGH-PILED STORAGE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE APPLICABLE EDITION OF THE INTERNATIONAL FIRE CODE.
- 26. THE CONTRACTOR IS TO PROVIDE AS BUILT DRAWINGS IN HARD COPY & AN ELECTRONIC AUTOCAD FILE TO THE OWNER AT THE CONCLUSION OF THE PROJECT.
- INSTALL ELASTOMERIC JOINT SEALER AROUND ALL PIPES, DUCTWORK, & STRUCTURE PASSING THRU INTERIOR NON-RATED CONCRETE AND MASONRY WALLS, GYPSUM BOARD PARTITIONS, AND CONCRETE FLOOR/ROOF SLABS. FOR FIRE RATED INTERIOR CONCRETE AND MASONRY WALLS, GYPSUM BOARD PARTITIONS, AND CONCRETE FLOOR/ROOF SLABS SEAL ALL PIPES, DUCTWORK, AND STRUCTURE. INSTALL FIRESTOP MATERIALS IN ALL GAPS PRIOR TO SEALANT APPLICATION. INSTALL SEALER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

PROFESSIONAL SERVICES DISCLAIMER

THIS DISCLAMER SERVES NOTICE OF ACCEPTANCE OF RESPONSIBILITY AND DISCLAIMER OF RESPONSIBILITY AS TO THE CONTRACT DOCUMENTS PREPARED FOR

17056, PARK PLACE EAST END BUILDING 'N' BY FINKLE + WILLIAMS, INC. THE UNDERSIGNED ARCHITECT, AND FINKLE + WILLIAMS, INC., ARE RESPONSIBLE FOR PREPARATION OF ONLY THE NOTED CONSTRUCTION DRAWINGS BELOW:

NO.	<u>TITLE</u>	<u>DATE</u>
A0.00	COVER SHEET	05.22.18
A0.01	LEGENDS & GEN. NOTES	05.22.18
A0.02	WALL TYPES	05.22.18
A0.03	TYP. WALL DETAILS	05.22.18
A0.04	UL DETAILS	05.22.18
A0.05	EXTERIOR WALL ASSEMBLIES	05.22.18
A0.10	ARCHITECTURAL SITE PLAN	05.22.18
A0.11	EDGE OF SLAB PLANS	05.22.18
A0.12	EDGE OF SLAB PLANS	05.22.18
A1.01	FIRST FLOOR PLAN	05.22.18
A1.02	SECOND FLOOR PLAN	05.22.18
A1.03	THIRD FLOOR PLAN	05.22.18
A2.01	ENLARGED PLANS	05.22.18
A2.02	RESTROOM PLANS	05.22.18
A3.01	ROOF PLAN	05.22.18
A3.02	ROOF DETAILS	05.22.18
A4.01	EXTERIOR ELEVATIONS	05.22.18
A4.02	EXTERIOR ELEVATIONS	05.22.18
A5.00	BUILDING SECTIONS	05.22.18
A5.01	WALL SECTIONS	05.22.18
A5.02	WALL SECTIONS	05.22.18
A5.03	WALL SECTIONS	05.22.18
A5.04	WALL SECTIONS	05.22.18
A6.01	VERTICAL CIRCULATION	05.22.18
A6.02	VERTICAL CIRCULATION	05.22.18
A6.03	VERTICAL CIRCULATION	05.22.18
A7.00	WALL SECTION DETAILS	05.22.18
A7.01	DETAILS	05.22.18
A7.02	DETAILS	05.22.18
A7.03	DETAILS	05.22.18

THE UNDERSIGNED ARCHITECT AND FINKLE + WILLIAMS DISCLAIM RESPONSIBILITY FOR ALL OTHER CONSTRUCTION DOCUMENTS. AND ANY OTHER SPECIFICATIONS. REPORTS. ESTIMATES, SHOP DRAWINGS, ETC. RELATING TO OR INTENDED TO BE USED FOR ANY PART OF THE ARCHITECTURAL OR ENGINEERING PROJECT, INCLUDING ANY GEOTECHNICAL ENGINEERING SERVICES, OR ENVIRONMENTAL REPORTS.

05.22.18

05.22.18

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05.22.18

THIS NOTICE IS EXECUTED BY THE UNDERSIGNED AND AUTHENTICATED BY THE ARCHITECTURAL SEAL OF THE PERSON PREPARING THS NOTICE.

DOOR SCHEDULES AND NOTES

FINISH SCHEDULE AND DETAILS

1ST FLOOR - REFLECTED CEILING PLAN

2ND FLOOR - REFLECTED CEILING PLAN

3RD FLOOR - REFLECTED CEILING PLAN

DOOR AND WINDOW DETAILS

PROJECT SPECIFICATIONS

PROJECT SPECIFICATIONS

A8.02

ARCHITECT: DAVID WILLIAMS

BUILDING SUMMARY

GENERAL BUILDING INFORMATION PROJECT NAME: PARK PLACE EAST END BUILDING 'N' ADDRESS: 5100 W. 115TH PLACE LEAWOOD, KANSAS 66217

APPLICABLE CODES

PROPOSED USE: OFFICE

INTERNATIONAL BUILDING CODE (IBC)	2012 EDITION
INTERNATIONAL MECHANICAL CODE (IMC)	2012 EDITION
INTERNATIONAL PLUMBING CODE (IPC)	2012 EDITION
NATIONAL ELECTRIC CODE (NEC)	2011 EDITION
INTERNATIONAL FIRE CODE (IFC)	2012 EDITION
INTERNATIONAL FUEL GAS CODE (IFGC)	2012 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2012 EDITION
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) LIFE SAFETY CODE 101	2000 EDITION
DEPARTMENT OF JUSTICE'S ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 EDITION

GENERAL BUILDING LIMITATIONS

OCCUPANCY CLASSIFICAT	ION	CONSTRUCTION	BASIC ALLOWABLE					
USE	GROUP		FLOOR AREA	HEIGHT				
BUSINESS	Group (B)	Type 2B	23,000 SF	3 STORIES, 55 FT.				
AREA MODIFICATIONS (Sec. 50	06)	$A_a = A_t +$	$\left[A_t * I_f\right] + \left[A_t * I_s\right]$					
		$A_a = 23,0$	(.75)] + [(23,000)(2)]					

SPRINKLER INCREASE: Is Automatic Sprinkler System Throughout per Sec. 903.3.1. Y - multi-story sprinklered (I_s = 200%)

YARD INCREASE: ENTIRE PERIMETER OPEN SPACE EXCEEDS 60' - If = .75

A_a = 86,250 s.f. PER FLOOR

B = 300 FT. (BUILDING SPRINKLERED)

MAXIMUM ALLOWABLE BUILDING AREA: GROUND FLOOR AREA: SECOND FLOOR AREA THIRD FLOOR AREA: TOTAL BUILDING AREA: MAXIMUM ALLOWABLE STORIES - TABLE 503: 3 STORIES + 1 PER SPRINKLER INCREASE PROPOSED STORIES:

OCCUPANCY SEPARATION - TABLE 508.3.3 REQUIRED SEPARATION: NONE REQUIRED - SINGLE OCCUPANCY

OCCUPANT LOAD
1st FLOOR: **BUSINESS** -BUSINESS - 17,346 S.F. / 100 S.F. PER OCCUPANT = 174 OCCUPANTS

BUSINESS - 17,341 S.F. / 100 S.F. PER OCCUPANT = 174 OCCUPANTS 2nd FLOOR: TOTAL BUILDING OCCUPANCY -_____ 501 OCCUPANTS

FIRE RESISTIVE RATING REQUIREMENTS

MAXIMUM TRAVEL DISTANCE - TABLE 1016.1:

BUILDING ELEMENT	TYPE II-B	DETAIL	COMMENTS	ASSEMBLY INFO
STRUCTURAL FRAME	0 HR	*	IBC TABLE 601	*
NONBEARING WALLS (EXTERIOR)	0 HR	-	IBC TABLE 602	N/A
NONBEARING WALLS (INTERIOR)	0 HR	-	IBC TABLE 601	N/A
FLOOR CONSTRUCTION (0 HR	-	IBC TABLE 601	N/A
ROOF CONSTRUCTION	0 HR	-	IBC TABLE 601	N/A
INTERIOR EXIT STAIRWAYS	1 HR	6,7/A0.04	IBC SECT. 1022.2	U465
EXIT PASSAGEWAYS	1 HR	6,7/A0.04	IBC SECT. 1023.3	U465
CORRIDORS	0 HR	-	IBC TABLE 1018.1	N/A
SHAFT WALLS	1 HR	8/A0.04	IBC SECT. 713.4	U415

* STRUCTURAL FRAME - 1 HR WHERE PENETRATING FIRE RATED ENCLOSURES

MINIMUM PLUMBING FIXTURE COUNTS

FLOOR	OCCUPANT LOAD	WATER	WATER CLOSETS		TORIES	DRINKING	OTHER	
		MALE*	FEMALE	MALE	FEMALE	FOUNTAINS~		
1		4	4	3	3	2~	1 SERV. SINK	
2	501 TOTAL OCCUPANTS	4	3	2	2	2~		
3		4	3	2	2	2~		
TOTALS	(REQUIRED) PROVIDED:	(7) 12*	(7) 10	(5) 7	(5) 7	(6) 6	(1) 1	

REQUIREMENTS PER IBC TABLE 2902.1 - (B) OCCUPANCY WATER CLOSETS: 1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50 LAVATORIES: 1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80 DRINKING FOUNTAINS: 1 per 100

Urinals shall be permitted to be substituted for not more than 50 percent of the required water closets as permitted by section 419.2 of the IPC.

Water coolers or bottled water dispensers shall be permitted to be substituted for note more than 50 percent of the required drinking fountains as permitted by section 410.1 of the IPC.

EXIT REQUIREMENTS

COMBINED BUILDING AREA: 49,968 S.F.

MAXIMUM TRAVEL DISTANCE: SPRINKLERED = 300 FT (PER IBC TABLE 1016.2)

FIRE PROTECTION:

FIRE SPRINKLER SYSTEM:

PROVIDED THROUGHOUT PER IBC 903 AND INSTALLED

6,000 GPM / 4 HOURS

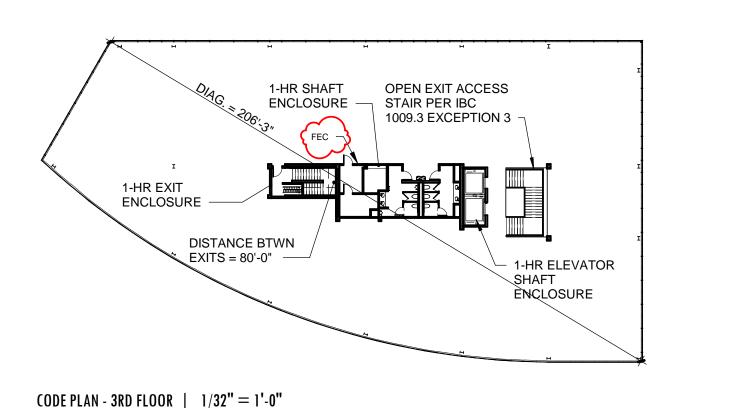
PROVIDED THROUGHOUT PER IBC 907 AND INSTALLED FIRE ALARM & DETECTIONSYSTEM:

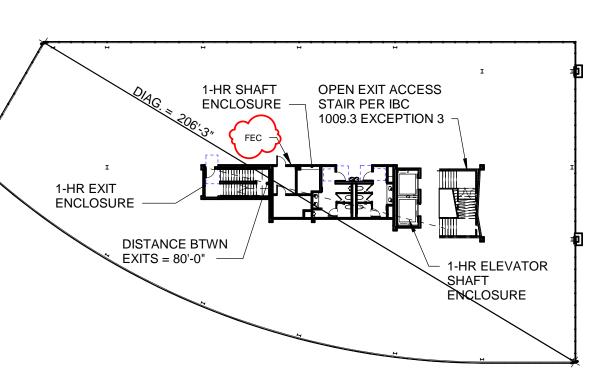
FIRE-FLOW REQUIREMENTS:

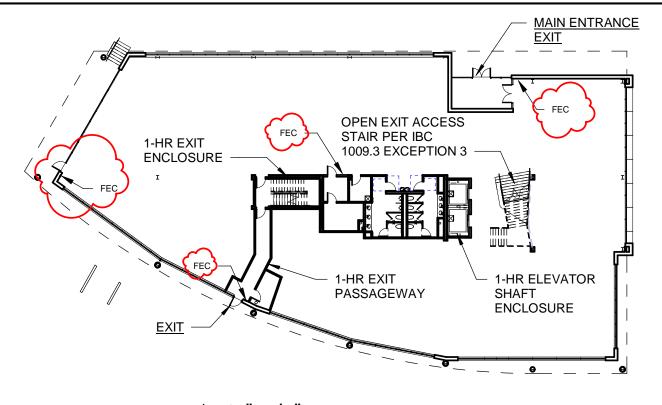
FIRE-FLOW / DURATION REQUIRED PER IFC 2012 TABLE B105.1: **EXCEPTIONS ALLOWED:** FIRE-FLOW / DURATION PROVIDED:

PER THE EXCEPTION IN IFC 2012 SECTION B105.2, A REDUCTION IN REQUIRED FIRE-FLOW OF UP TO 75% IS ALLOWED WHEN THE BUILDING IS PROVIDED WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.2.

VERTICAL AND LATERAL FIRE PROPAGATION: REFER TO SHEET A0.05 FOR EXTERIOR WALL ASSEMBLIES TESTED IN ACCORDANCE WITH AND COMPLYING WITH THE ACCEPTANCE CRITERIA OF NFPA 285 PER IBC







CODE REVIEW PLANS

CODE PLAN - 2ND FLOOR | 1/32" = 1'-0"

1ST FLOOR CODE PLAN | 1/32" = 1'-0"

LEGENDS & **GEN. NOTES**

FINKLE + WILLIAMS

7007 College Blvd, Suite 415

Overland Park, Kansas 66211

SHEET TITLE

913+498-1550

ARCHITECTURE

VAN TRUST REAL ESTATE, LLC

PARK PLACE

EAST END

BUILDING 'N

5100 W. 115TH PLACE

LEAWOOD, KANSAS 66211

05.22.2018

Issued For: CORE/SHELL BID SET

1 05.30.18 Addendum #1

REVISIONS

REGISTRATION

CONTRACTOR

PROJECT TEAM

FINKLE+WILLIAMS

ARCHITECTURE

ENGINEERING

YOUNG + DRING

PMA ENGINEERING

PKMR ENGINEERS

PKMR ENGINEERS

PKMR ENGINEERS

MW BUILDERS

VAN TRUST

REAL ESTATE, LLC

PHELPS

FOUNDATIONS PMA ENGINEERING

ARCHITECT

LANDSCAPE

PLUMBING

MECHANICAL

ELECTRICAL

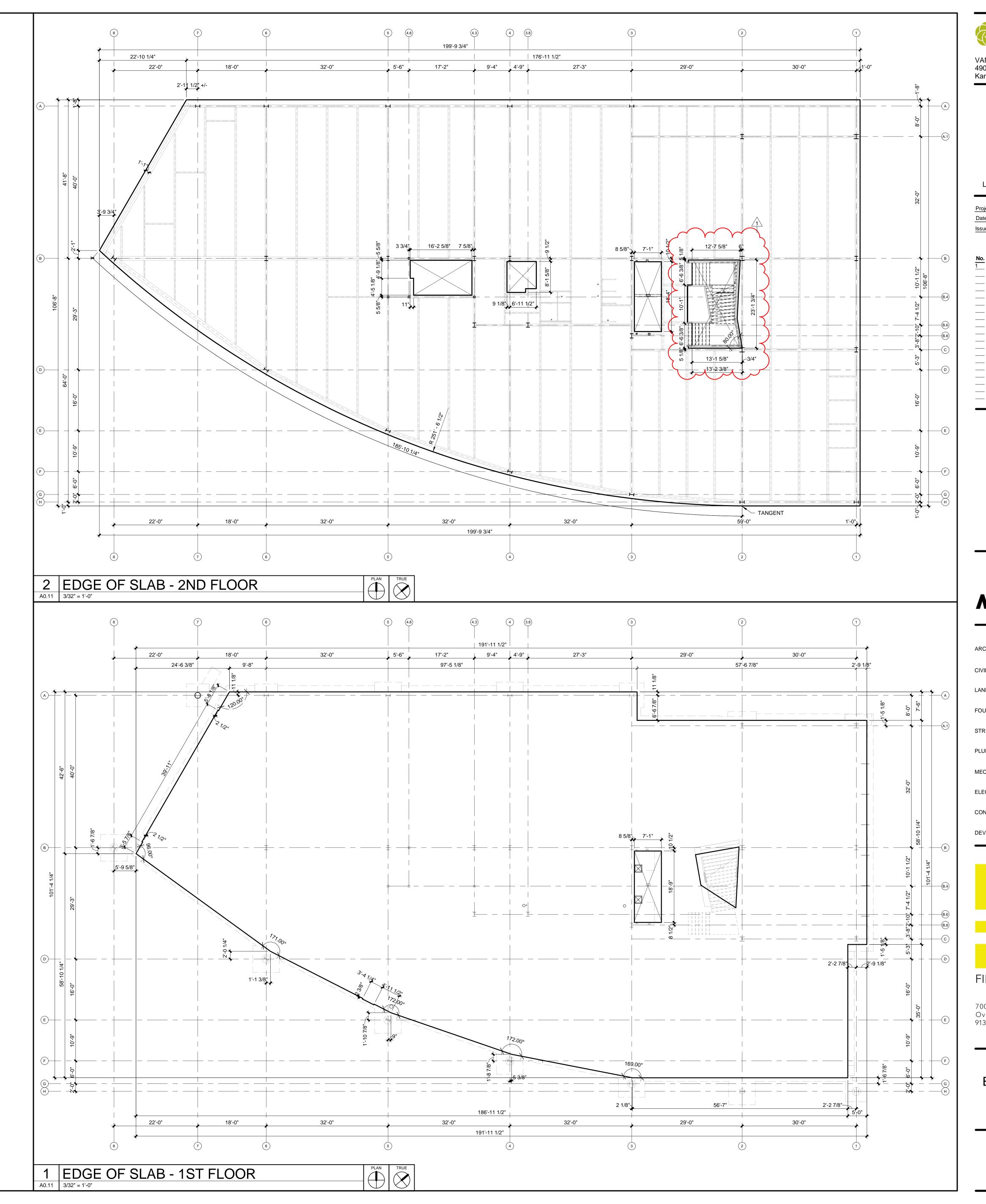
CONTRACTOR

DEVELOPER

CIVIL

4900 Main St., Suite 400

Kansas City, MO 64112





Kansas City, MO 64112

PARK PLACE EAST END BUILDING 'N'

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Date: 05.22.2018 Issued For: CORE/SHELL BID SET REVISIONS

REGISTRATION



CONTRACTOR

MWBuilders PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING YOUNG + DRING FOUNDATIONS PMA ENGINEERING

CONTRACTOR MW BUILDERS VAN TRUST REAL ESTATE, LLC DEVELOPER

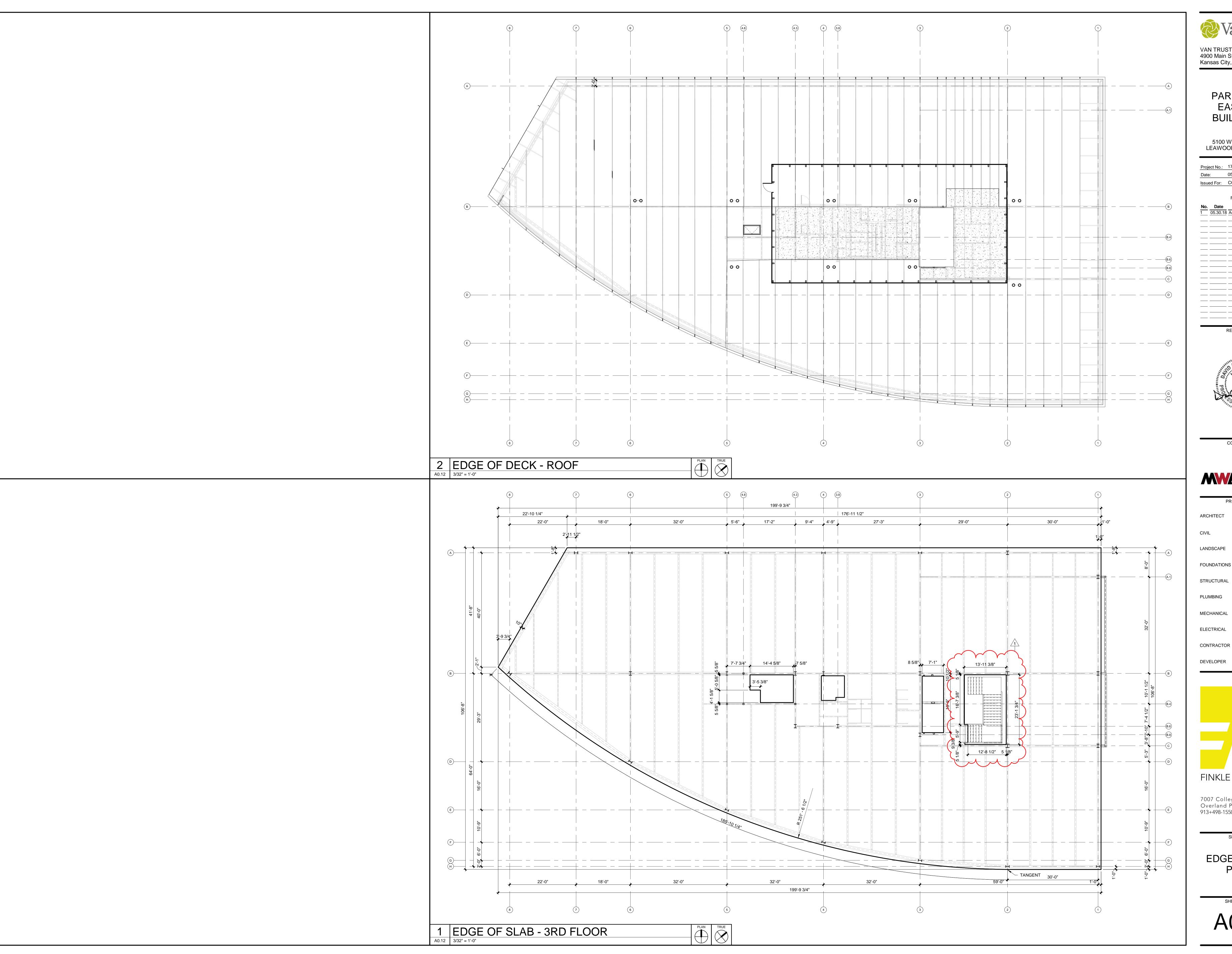
FINKLE + WILLIAMS

ARCHITECTURE

7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE

EDGE OF SLAB **PLANS**





4900 Main St., Suite 400 Kansas City, MO 64112

> PARK PLACE EAST END BUILDING 'N'

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Date: 05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

REGISTRATION



CONTRACTOR

MWBuilders PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING

YOUNG + DRING FOUNDATIONS PMA ENGINEERING

STRUCTURAL PMA ENGINEERING

PKMR ENGINEERS

CONTRACTOR MW BUILDERS

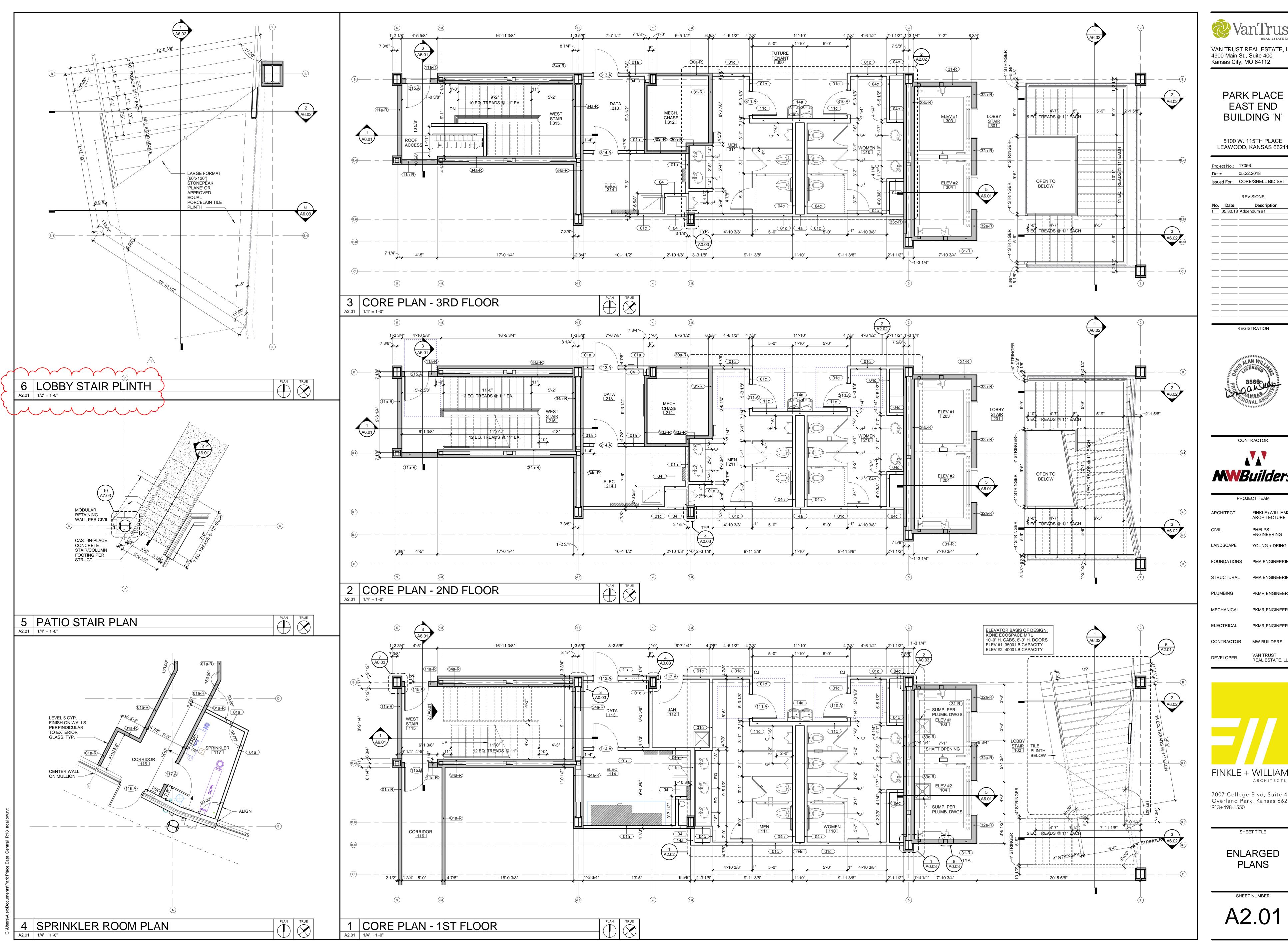
VAN TRUST REAL ESTATE, LLC

FINKLE + WILLIAMS ARCHITECTURE

7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE

EDGE OF SLAB **PLANS**





5100 W. 115TH PLACE

Issued For: CORE/SHELL BID SET





PROJECT TEAM FINKLE+WILLIAMS

ENGINEERING LANDSCAPE YOUNG + DRING FOUNDATIONS PMA ENGINEERING

PMA ENGINEERING

MECHANICAL

ELECTRICAL PKMR ENGINEERS CONTRACTOR MW BUILDERS

VAN TRUST REAL ESTATE, LLC



ARCHITECTURE

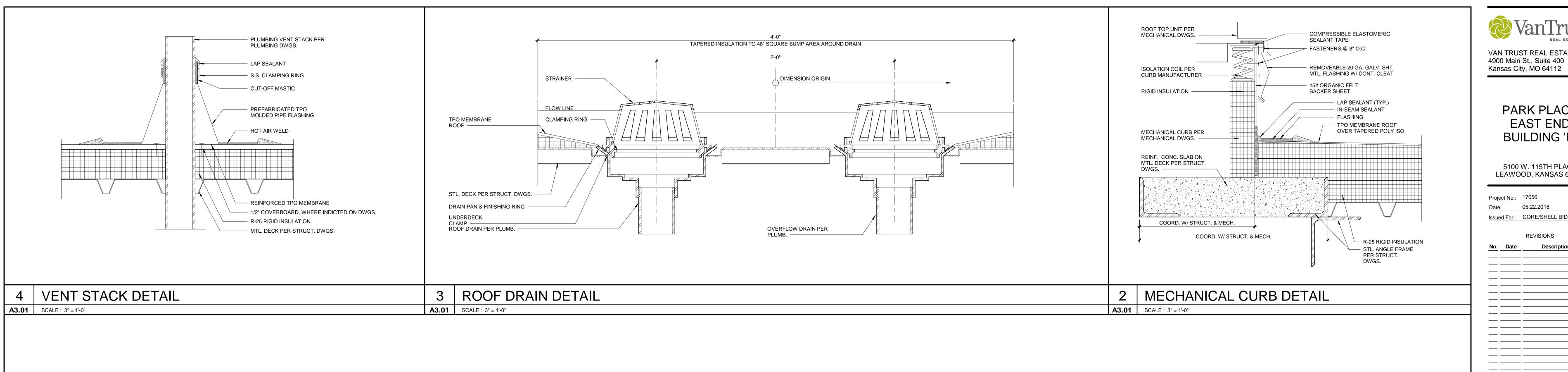
7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

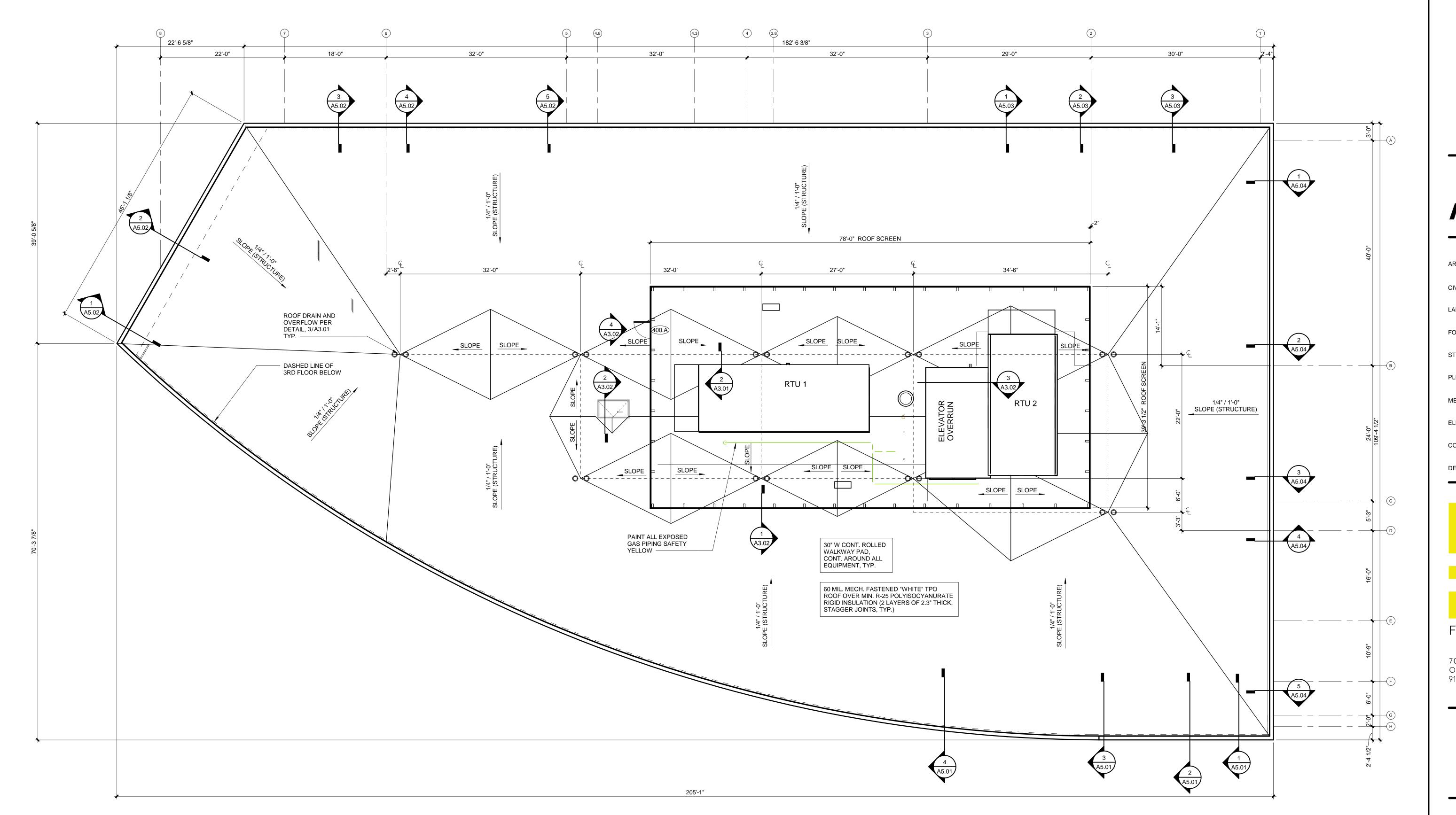
ENLARGED PLANS

SHEET TITLE

SHEET NUMBER

A2.01





PLAN TRUE

1 ROOF PLAN
A3.01 1/8" = 1'-0"

VAN TRUST REAL ESTATE, LLC

PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

REGISTRATION





PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS **ENGINEERING**

YOUNG + DRING LANDSCAPE FOUNDATIONS PMA ENGINEERING STRUCTURAL PMA ENGINEERING

PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS VAN TRUST REAL ESTATE, LLC DEVELOPER

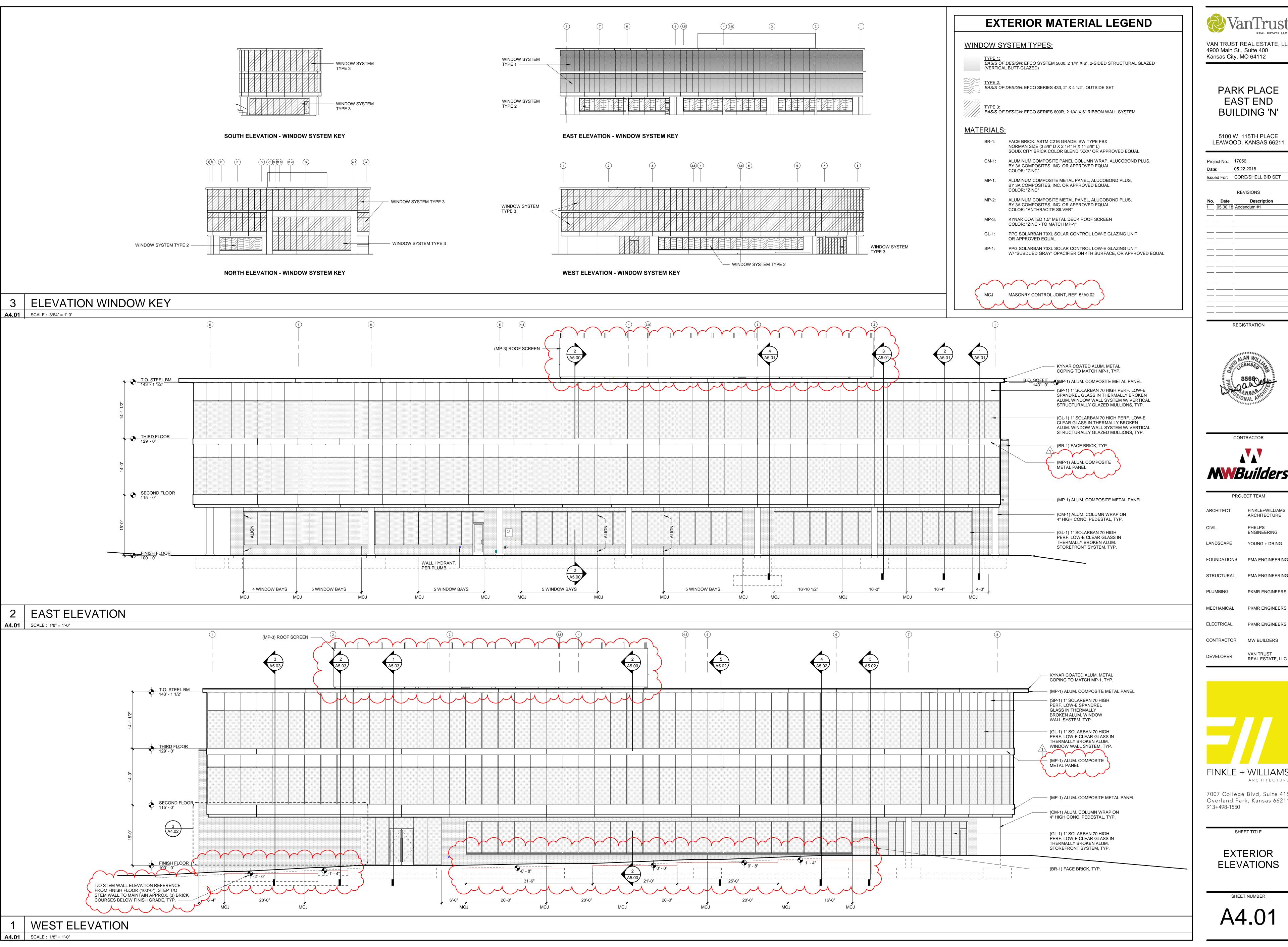


ARCHITECTURE

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SHEET TITLE

ROOF PLAN



VAN TRUST REAL ESTATE, LLC

PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE

05.22.2018

REVISIONS

1 05.30.18 Addendum #1

REGISTRATION



CONTRACTOR

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE

PHELPS

ENGINEERING YOUNG + DRING

PMA ENGINEERING

PKMR ENGINEERS

PKMR ENGINEERS

PKMR ENGINEERS

VAN TRUST

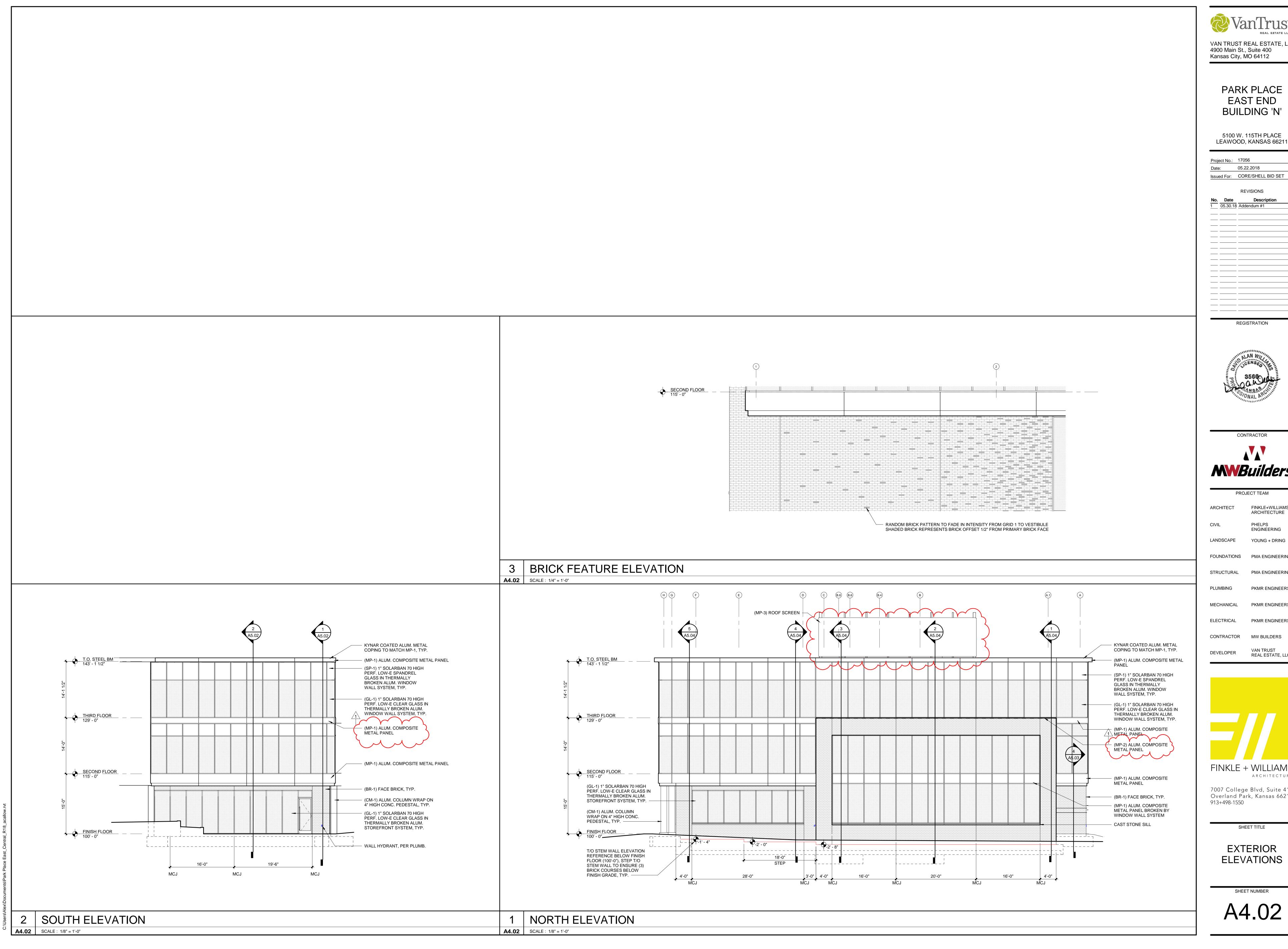
REAL ESTATE, LLC

FINKLE + WILLIAMS ARCHITECTURE

7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

EXTERIOR

SHEET TITLE





5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Date: 05.22.2018

REVISIONS

1 05.30.18 Addendum #1

REGISTRATION





PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE

PHELPS **ENGINEERING**

YOUNG + DRING LANDSCAPE FOUNDATIONS PMA ENGINEERING

PMA ENGINEERING

PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS

PKMR ENGINEERS CONTRACTOR MW BUILDERS

VAN TRUST REAL ESTATE, LLC DEVELOPER

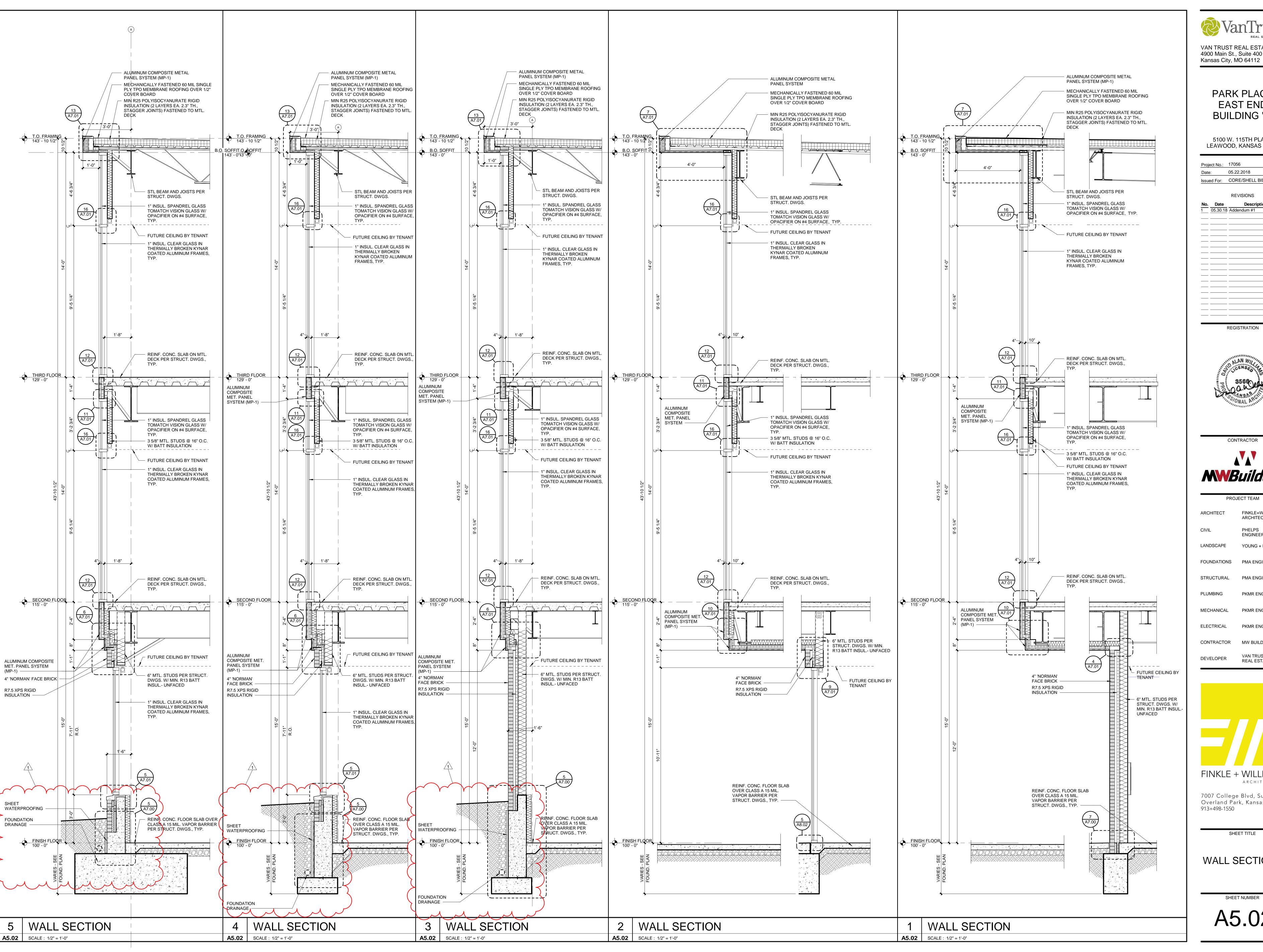


ARCHITECTURE

7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE

EXTERIOR ELEVATIONS





5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

05.30.18 Addendum #1

REGISTRATION





PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING

LANDSCAPE YOUNG + DRING FOUNDATIONS PMA ENGINEERING STRUCTURAL PMA ENGINEERING

PLUMBING PKMR ENGINEERS PKMR ENGINEERS MECHANICAL ELECTRICAL PKMR ENGINEERS

MW BUILDERS CONTRACTOR VAN TRUST DEVELOPER REAL ESTATE, LLC



ARCHITECTURE

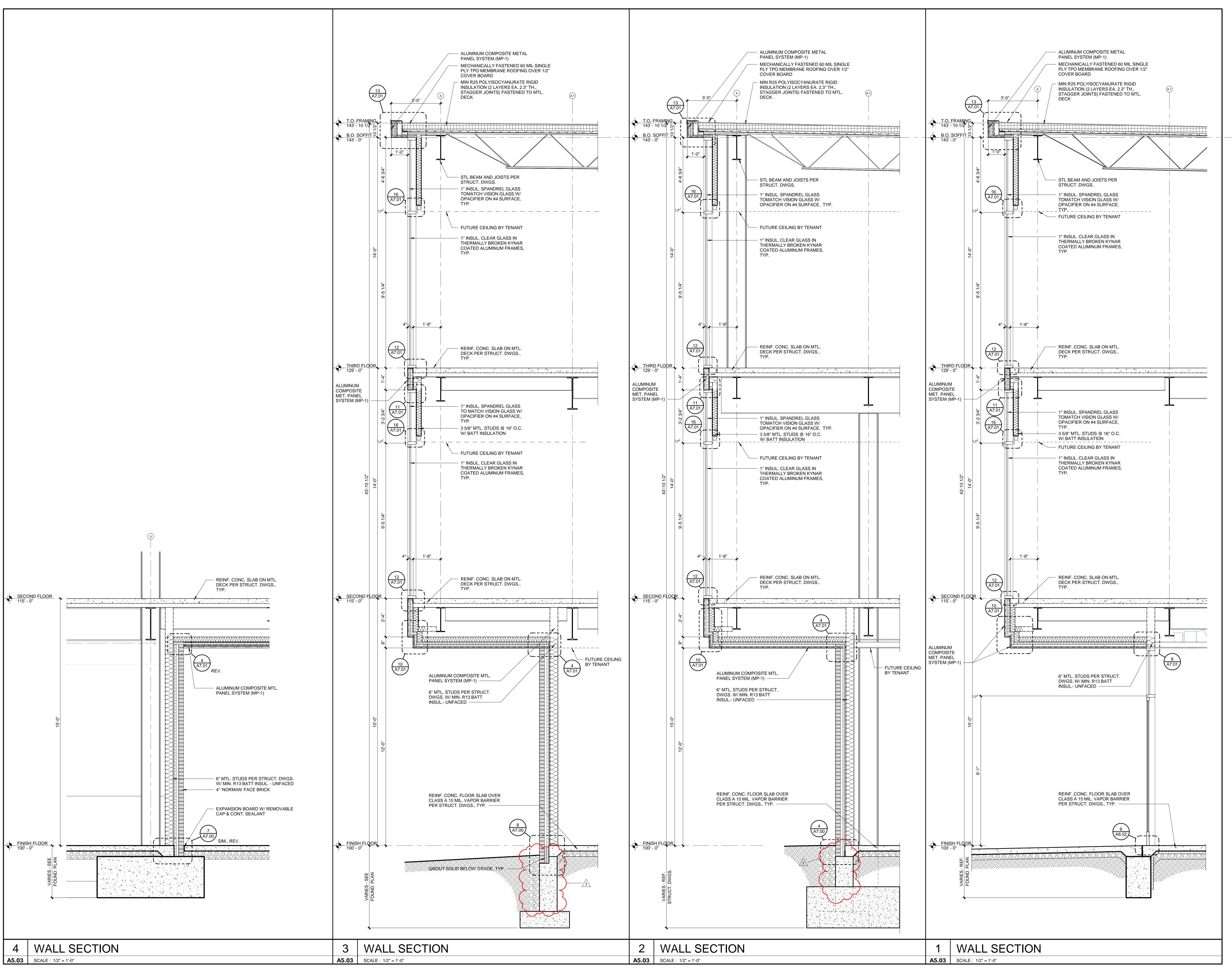
7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE

WALL SECTIONS

SHEET NUMBER

A5.02





Kansas City, MO 64112

PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET REVISIONS 05.30.18 Addendum #1

REGISTRATION





PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING LANDSCAPE YOUNG + DRING FOUNDATIONS PMA ENGINEERING STRUCTURAL PMA ENGINEERING PLUMBING PKMR ENGINEERS PKMR ENGINEERS MECHANICAL

CONTRACTOR MW BUILDERS VAN TRUST DEVELOPER REAL ESTATE, LLC

PKMR ENGINEERS

ELECTRICAL

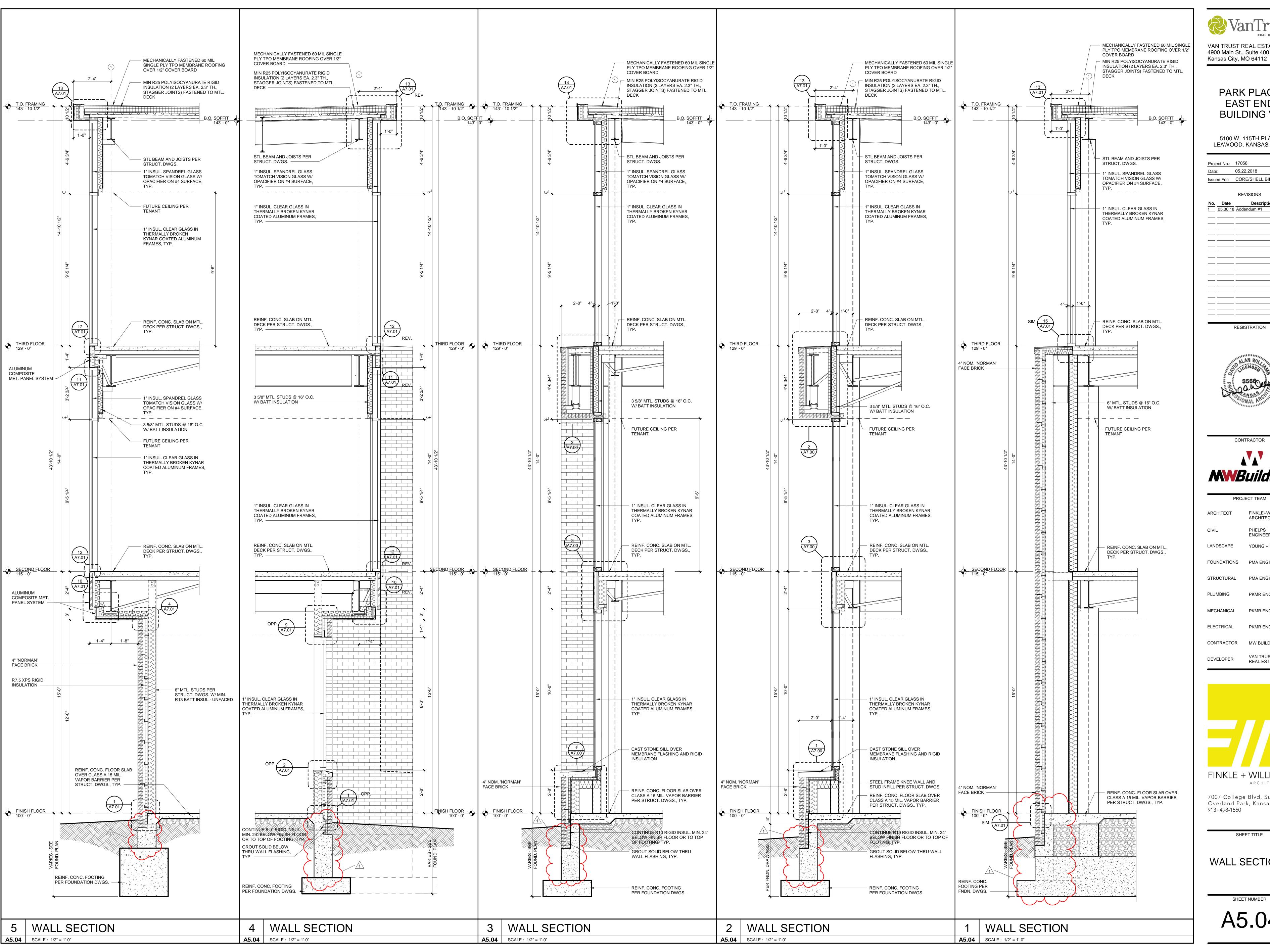
FINKLE + WILLIAMS

ARCHITECTURE 7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE

WALL SECTIONS

SHEET NUMBER A5.03





5100 W. 115TH PLACE

LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

05.30.18 Addendum #1

REGISTRATION





PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING YOUNG + DRING LANDSCAPE FOUNDATIONS PMA ENGINEERING PMA ENGINEERING

PKMR ENGINEERS PKMR ENGINEERS **MECHANICAL** PKMR ENGINEERS ELECTRICAL CONTRACTOR MW BUILDERS

VAN TRUST DEVELOPER REAL ESTATE, LLC



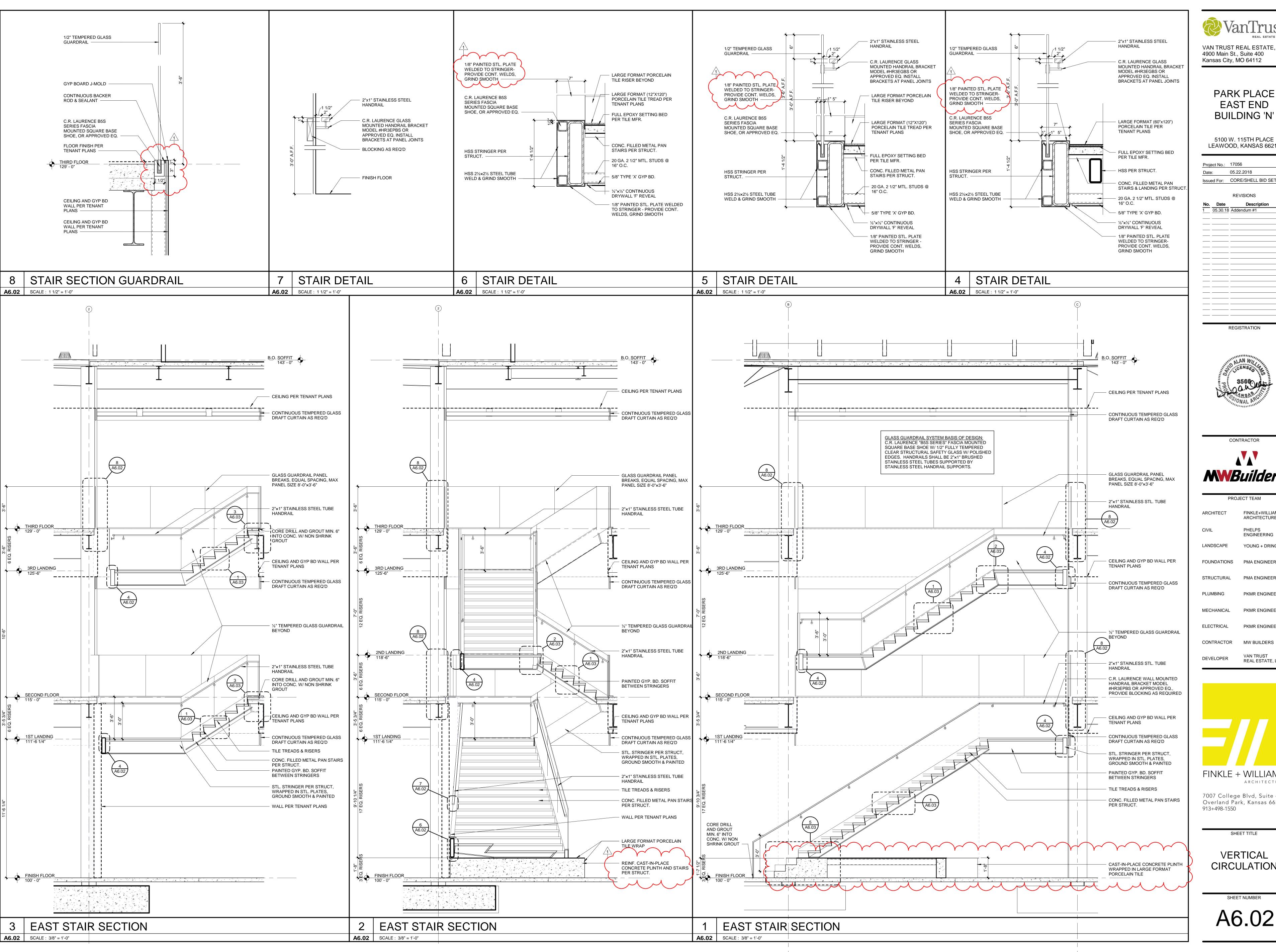
ARCHITECTURE 7007 College Blvd, Suite 415 Overland Park, Kansas 66211

913+498-1550

SHEET TITLE

WALL SECTIONS

SHEET NUMBER A5.04



VAN TRUST REAL ESTATE, LLC

PARK PLACE

EAST END **BUILDING 'N'**

LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

Description

05.30.18 Addendum #1

REGISTRATION





PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE

PHELPS ENGINEERING

YOUNG + DRING

FOUNDATIONS PMA ENGINEERING PMA ENGINEERING

PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS

PKMR ENGINEERS CONTRACTOR MW BUILDERS

REAL ESTATE, LLC

VAN TRUST

ARCHITECTURE

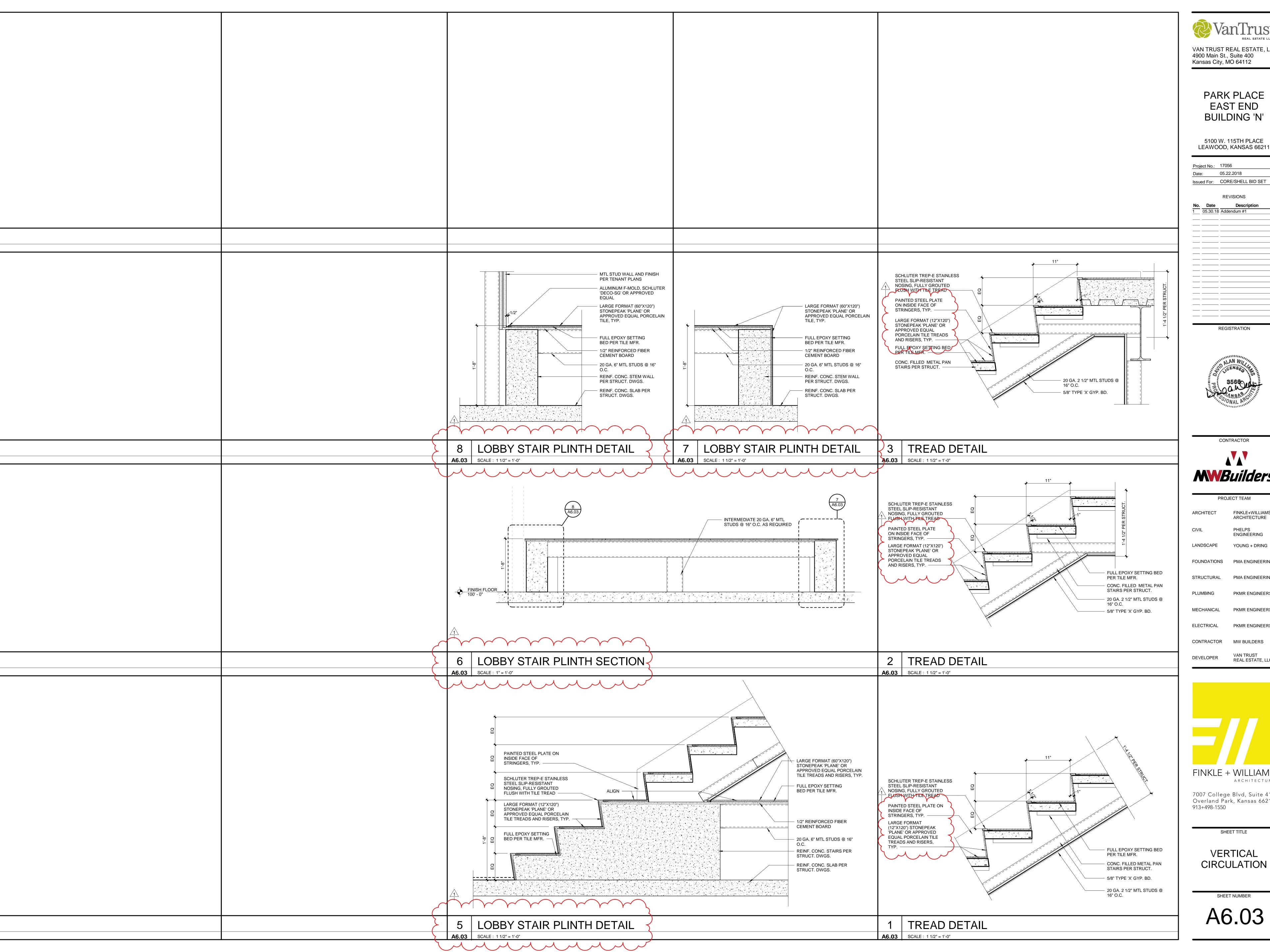
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VERTICAL CIRCULATION

SHEET TITLE

SHEET NUMBER

A6.02





5100 W. 115TH PLACE

05.22.2018

REVISIONS

1 05.30.18 Addendum #1

REGISTRATION



CONTRACTOR **MWB**uilders

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS **ENGINEERING**

LANDSCAPE YOUNG + DRING FOUNDATIONS PMA ENGINEERING

PMA ENGINEERING

PKMR ENGINEERS PKMR ENGINEERS MECHANICAL

ELECTRICAL PKMR ENGINEERS

VAN TRUST REAL ESTATE, LLC DEVELOPER

FINKLE + WILLIAMS ARCHITECTURE

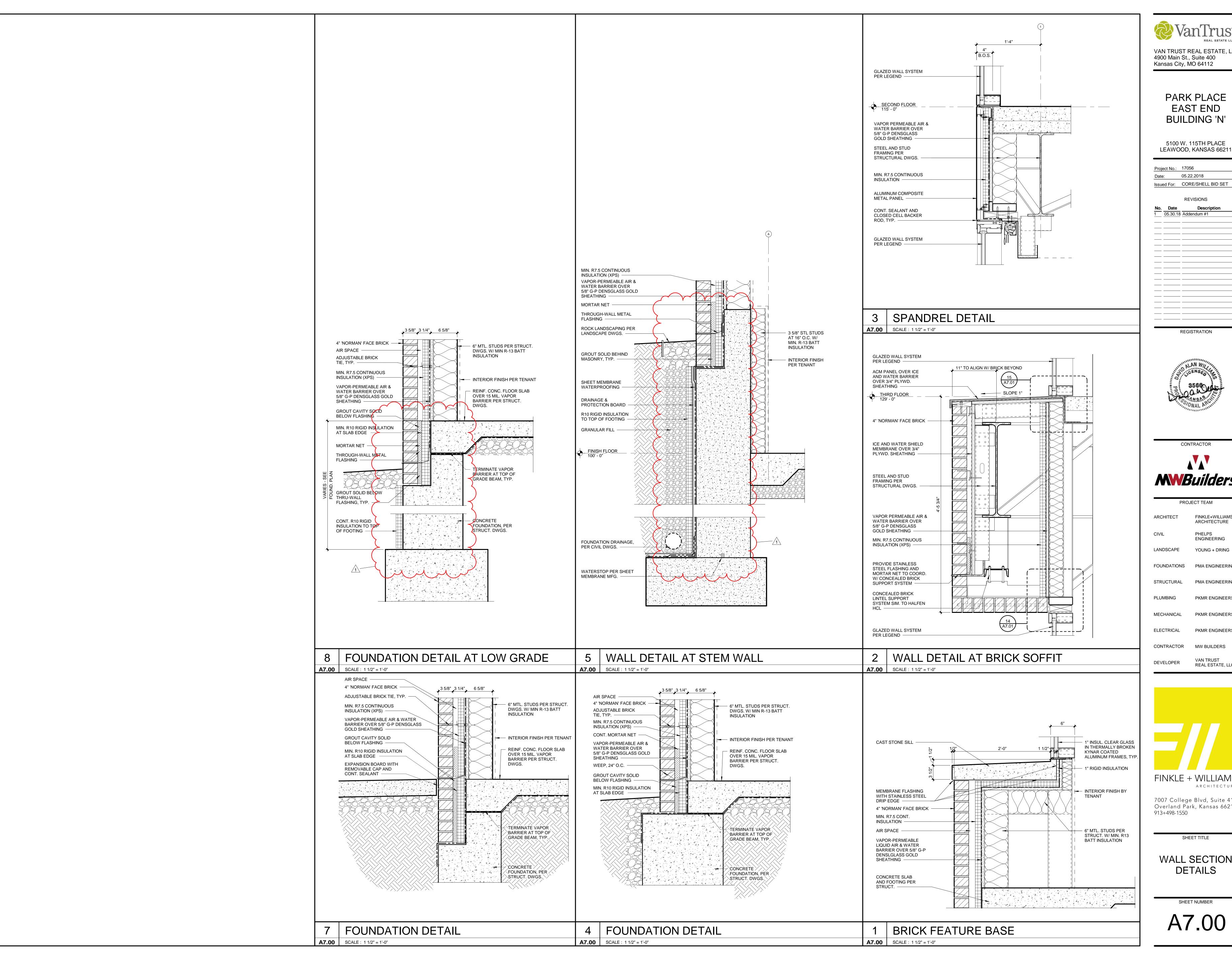
7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE

VERTICAL CIRCULATION

SHEET NUMBER

A6.03



VAN TRUST REAL ESTATE, LLC 4900 Main St., Suite 400

> PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE

05.22.2018

REVISIONS 05.30.18 Addendum #1

REGISTRATION





PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING

YOUNG + DRING

FOUNDATIONS PMA ENGINEERING PMA ENGINEERING

PLUMBING PKMR ENGINEERS PKMR ENGINEERS MECHANICAL

ELECTRICAL PKMR ENGINEERS CONTRACTOR MW BUILDERS

VAN TRUST REAL ESTATE, LLC



ARCHITECTURE

7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE

WALL SECTION DETAILS

SHEET NUMBER

A7.00

DOOR HARDWARE SETS

GENERAL NOTES:

- 1. ALL HARDWARE SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
- . ALL DOOR HARDWARE SHALL BE FINISH US26D OR EQUIVALENT. ALL LATCHSETS AND LOCKSETS SHALL BE EQUIPPED WITH LEVER TYPE OPERATING TRIM W/ THE "CLUTCH" FEATURE.
- 4. ALL CLOSERS SHALL BE LOCATED ON ROOMS SIDES OF DOORS. 5. CONTRACTOR'S HARDWARE CONSULTANT SHALL BE RESPONSIBLE FOR DETERMINING APPROPRIATE HARDWARE FUNCTION AND OPTIONS. 6. CONTRACTOR SHALL COORDINATE FINAL KEYING WITH OWNER.

(LA) LATCHSETS

SET #LK.1 -HINGES

-LOCKSET

-CLOSER

-KICKPLATE

-WALL STOP

-SILENCERS

SET # LA.1 -HINGES INTERIOR STAIR DOORS ("HAGER" BB1168 4 1/2" X 4 1/2") -LATCHSET ("YALE" 8800 SERIES GRADE 1) -CLOSER ("NORTON" 6500 SERIES) ("HAGER" 236W)

-WALL STOP -SMOKE GASKET ("PEMKO" S-88D)

(LK) INTERIOR LOCKSETS

INTERIOR SINGLE W/ CLOSER AND LOCK ("HAGER" BB1168 4 1/2" X 4 1/2" ("SCHLAGE" D-SERIES GRADE 1) ("ROCKWOOD" K1050 10" X 2" LDW 4B3 CSK, US32D) ("NORTON" 7500 SERIES) ("ROCKWOOD" 409

-SILENCERS ("HAGER" 307D) SET #LK.2 -HINGES INTERIOR SINGLE W/ CLOSER, LOCK, AND PANIC ("HAGER" BB1168 4 1/2" X 4 1/2"

-LOCKSET ("SCHLAGE" D-SERIES GRADE 1) -KICKPLATE ("ROCKWOOD" K1050 10" X 2" LDW 4B3 CSK, US32D) -EXIT DEVICE ("SARGENT" 8800 SERIES) -CLOSER ("NORTON" 7500 SERIES) -WALL STOP ("ROCKWOOD" 409

("HAGER" 307D)

(AL) ALUMINUM DOORS

SET # AL.1 -HINGES EXTERIOR ALUMINUM
("PEMKO" CFMHDY PT CONTINUOUS) -PULLS ("ROCKWOOD" RM3310-HD, 72" CTC, US32D) -CLOSERS ("NORTQN" CPS7500) ("NORTON" 6890) -BRACKET -STOPS ("NORTON" 6891) -THRESHOLD ("PEMKO" 273X3 AFG OR MFR'S EQUAL) -WEATHERSTRIP BY DOOR MFR. -BOTTOM SWEEP BY DOOR MFR.

("MCKINNEY" QC-C1500/QC-C1500P)

("SECURITRON" EL-CEPT)

("SECURITRON" DPS)

BY OWNER

(PP) PUSH PULL

-POSITION SWITCH

-CARD READER

-ELECTROLYNX HARNESS -ELECTRIC POWER TRANSFER

<u>SET # PP.1</u>	INTERIOR SINGLE PUSH/PULL - TOILET ROOMS	-
-HINGES -PUSH PLATE	("HAGER" BB1168 4 1/2" X 4 1/2") ("ROCKWOOD" 70C, US32D)	

("ROCKWOOD" 110 x 70C, US32D) -PULL PLATE ("NORTON" 8501 DA, 689) -CLOSER -KICKPLATE ("ROCKWOOD" K1050 10" x 2" LDW 4B3 CSK, US32D) -WALL STOP ("ROCKWOOD" 409, US32D) -SILENCERS ("HAGER" 307D)

DOOR SCHEDULE REMARKS

DOOR AND FRAME SCHEDULE

TYPE MAT.

FRAME | RATING |

MFR. ALUM

HM

HM

HM

HM

HM

HM

ALUM

HM

60 MIN.

60 MIN.

60 MIN.

60 MIN.

60 MIN.

1 HM

DETAILS

HEAD

MFR.

MFR.

MFR.

2/A8.02

2/A8.02

2/A8.02

2/A8.02

2/A8.02

4/A8.02

4/A8.02

MFR.

2/A8.02

2/A8.02

2/A8.02

2/A8.02

2/A8.02

4/A8.02

2/A8.02

2/A8.02

2/A8.02

2/A8.02

4/A8.02

SILL

5/A8.02

5/A8.02

5/A8.02

5/A8.02

JAMB

MFR.

MFR.

MFR.

1/A8.02

1/A8.02

1/A8.02

1/A8.02

3/A8.02

3/A8.02

11/A7.02 / MFR.

1/A8.02

1/A8.02

1/A8.02

1/A8.02

3/A8.02

1/A8.02

1/A8.02

1/A8.02

1/A8.02

3/A8.02

1/A8.02

AL.1

AL.1

PP.1

PP.1

LK.1

LK.2

LK.2

LA.1

LA.1

AL.1

LK.1

PP.1

LK.1

لر LK.1

PP.1

LK.1

لر LK.1

DOOR

100.A | 3' - 3" | 9' - 0" | 1 3/4" | A1 | ALUM

110.A 3' - 0" 8' - 0" 13/4" W1 WD

111.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

112.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

| 114.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

115.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

115.B | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

116.A | 3' - 0" | 8' - 0" | 1 3/4" | A1 | ALUM

117.A 3' - 0" 8' - 0" 13/4" W1 WD

210.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

211.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

213.A 3' - 0" 8' - 0" 1 3/4" W1 WD

214.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

215.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

| 310.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

311.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

313.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

314.A 3' - 0" 8' - 0" 13/4" W1 WD

315.A | 3' - 0" | 8' - 0" | 1 3/4" | W1 | WD

400.A | 3' - 0" | 8' - 0" | 1 3/4" | H1 | HM

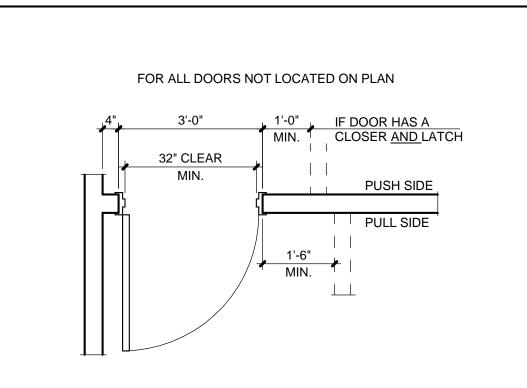
SIZE

101.B | 6' - 0" | 9' - 0" | 1 3/4" | A3

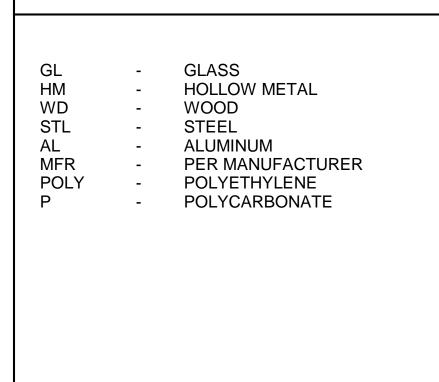
NO. W. H. Th.

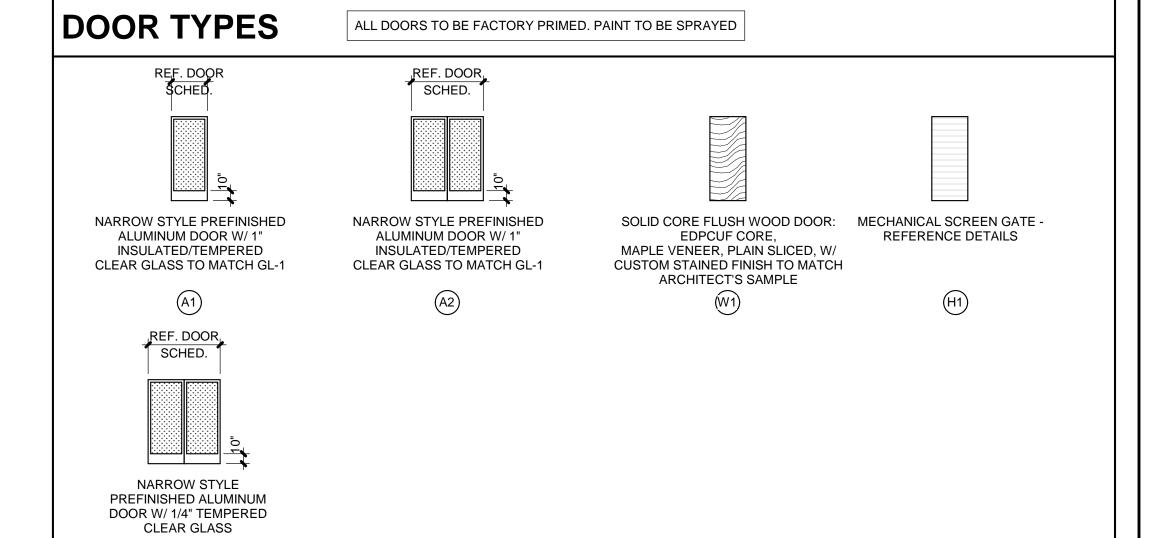
- 1. PROVIDE APPROVED ENTRANCE AND EGRESS ACCESS CONTROL SYSTEM, LISTED IN ACCORDANCE WITH UL 294 AND INSTALLED IN COMPLIANCE WITH CRITERIA 1 THROUGH 6 IN SECTION 1008,1.9.8 OF IBC 2012 INCLUDE SMOKE GASKET AT RATED DOORS ("PEMKO" S-88-D)
- ALUMINUM DOORS TO BE PREFINISHED KYNAR COATED TO MATCH ADJACENT WINDOW SYSTEM.

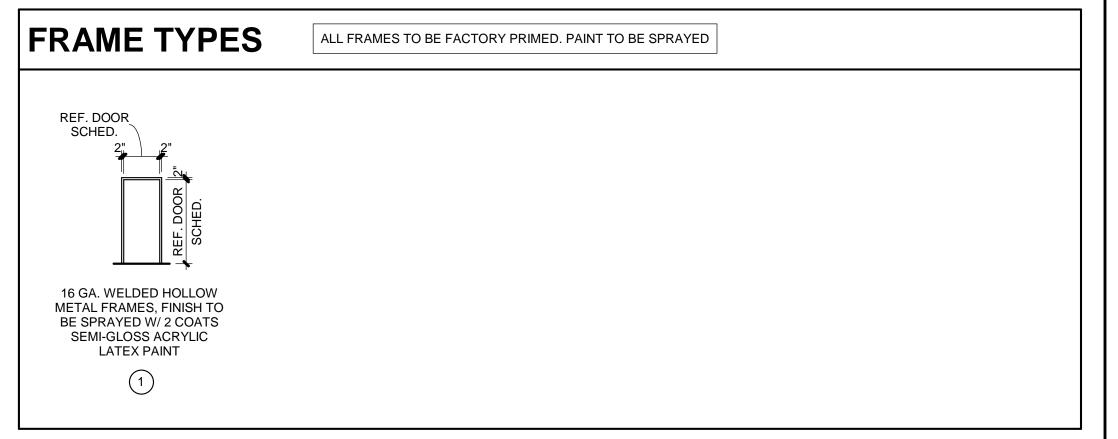
DOOR LOCATION PLAN



MATERIAL LEGEND







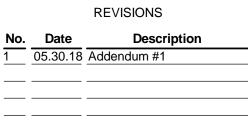


VAN TRUST REAL ESTATE, LLC 4900 Main St., Suite 400 Kansas City, MO 64112

PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.:	17056
Date:	05.22.2018
Issued For:	CORE/SHELL BID SET





REGISTRATION





PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING LANDSCAPE YOUNG + DRING

FOUNDATIONS PMA ENGINEERING

STRUCTURAL PMA ENGINEERING PLUMBING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS VAN TRUST DEVELOPER REAL ESTATE, LLC

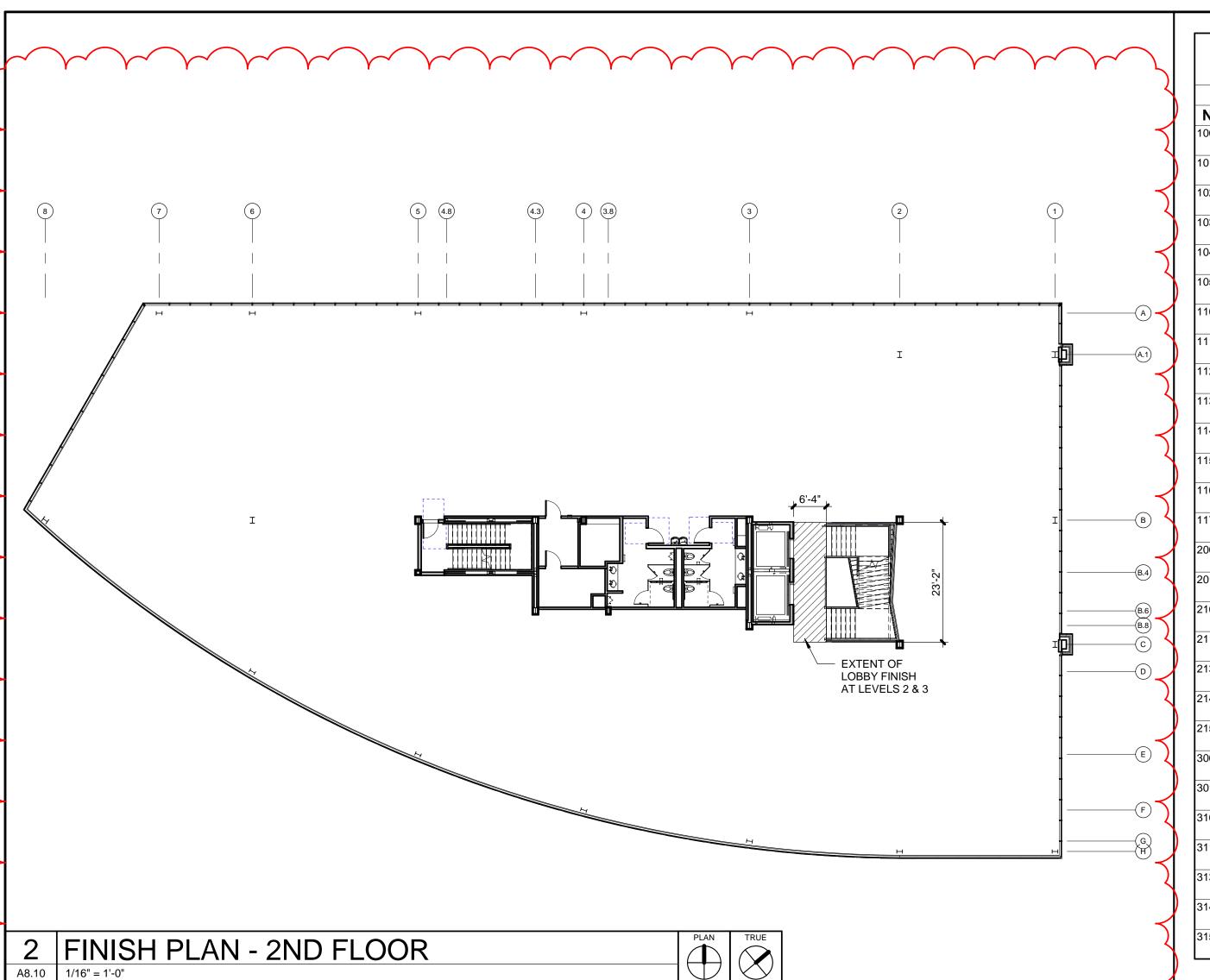


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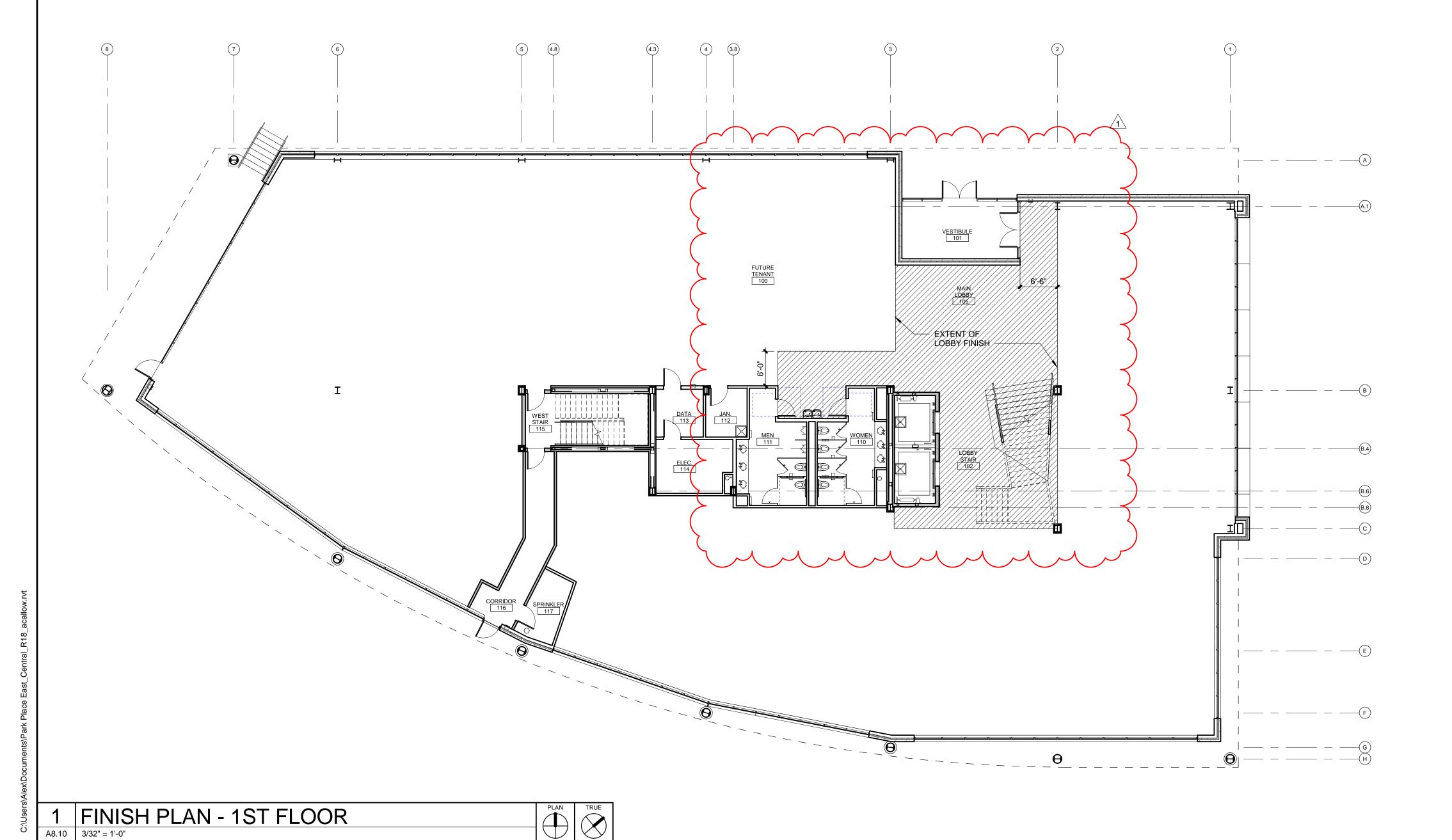
ARCHITECTURE

SHEET TITLE

DOOR SCHEDULES AND NOTES



		ROOM FINISH SCHEDULE													
	ROOM			B	ASE				WALLS		CEILING				
NO.	NAME	FLR.	N	E	S	W	N	E	S	W	MAT.	HT.	REMARKS		
100	FUTURE TENANT	-	-	-	-	-	-	-	-	-	-				
101	VESTIBULE	CPT-1	-	-	-	-	-	-	-	-	GB-1				
102	LOBBY STAIR	CT-1 / CT-2	-	-	-	-	-	-	-	CT-5	GB-1		1, 2		
103	ELEV #1	CT-1 / CT-2	-	-	-	-	EL-1	EL-1	EL-1	EL-1	EL-2		1		
104	ELEV #2	CT-1 / CT-2	-	-	-	-	EL-1	EL-1	EL-1	EL-1	EL-2		1		
105	MAIN LOBBY	CT-1 / CT-2	-	-	-	-	CT-5	-	-	-	GB-1		1		
110	WOMEN	CT-1 / CT-2	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	GB-1 / SAT-1		1, 3		
111	MEN	CT-1 / CT-2	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	GB-1 / SAT-1		1, 3		
112	JAN.	CONC-1	RB-1	RB-1	RB-1	RB-1	EPT-1	EPT-1	EPT-1	EPT-1	SAT-1				
113	DATA	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				
114	ELEC.	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				
115	WEST STAIR	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				
116	CORRIDOR	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	SAT-1				
117	SPRINKLER	CONC-1	RB-1	RB-1	RB-1	RB-1	EPT-1	EPT-1	EPT-1	EPT-1	-				
200	FUTURE TENANT	-	-	-	-	-	-	-	-	-	-				
201	LOBBY STAIR	CT-1 / CT-2	-	-	-	-	-	-	-	CT-5	GB-1		1, 2		
210	WOMEN	CT-1 / CT-2	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	GB-1 / SAT-1		1, 3		
211	MEN	CT-1 / CT-2	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	GB-1 / SAT-1		1, 3		
213	DATA	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				
214	ELEC.	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				
215	WEST STAIR	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				
300	FUTURE TENANT	-	-	-	-	-	-	-	-	-	-				
301	LOBBY STAIR	CT-1 / CT-2	-	-	-	-	-	-	-	CT-5	GB-1		1, 2		
310	WOMEN	CT-1 / CT-2	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	GB-1 / SAT-1		1, 3		
311	MEN	CT-1 / CT-2	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	CT-3	СТ-3	GB-1 / SAT-1		1, 3		
313	DATA	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				
314	ELEC.	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				
315	WEST STAIR	CONC-1	RB-1	RB-1	RB-1	RB-1	PT-1	PT-1	PT-1	PT-1	-				



ROOM FINISH LEGEND

FLOOR FINISHES REFERENCE FLOOR PLAN FOR LOCATION OF FLOOR FINISH TRANSITIONS & PATTERN.

CPT: MODULAR CARPET TILE INSTALLED PER MANUFACTURER'S RECOMMENDATION

CPT-1: MFR: J+J FLOORING GROUP, COLLECTION: RUNWAY II 7267, SIZE: 24"x24", COLOR: 1421 FRESH FACE, INSTALLATION: QUARTER TURN PATTERN

CONC: CONCRETE

- CONC-1: CONCRETE W/ASHFORD FORMULA SEALER WITH METZGER/MCGUIRE RE 88 SEMI-RIGID
- POLYUREA OR EQUAL FLOOR JOINT FILLER.
- CONC-2: CONCRETE FLOOR GRINDED, HONED, AND POLISHED. METZGER/MCGUIRE RE 88 SEMI-RIGID POLYREA OR EQUAL FLOOR JOINT FILLER TO BE USED TO FILL ALL FLOOR JOINTS. REFERENCE PROJECT SPECIFICATIONS. INITIAL PASS TO BE DONE PRIOR TO WALL CONSTRUCTION & FLOOR TO BE PROTECTED DURING CONSTRUCTION.

CT: PORCELAIN / CERAMIC TILE W/ 1/8" MAX. GROUT JOINTS W/ SILICONE SEALER. PROVIDE CRACK BRIDGING MEMBRANE OVER ALL CONTROL JOINTS & COLD JOINTS IN SLAB

- CT-1: MANUFACTURER: MOSA, PATTERN: TERRA MAESTRICHT, COLOR: #206 V, 8"X48"
- CT-2: MANUFACTURER: MOSA, PATTERN: TERRA MAESTRICHT, COLOR: #206 V, 24"X48"

REFERENCE ROOM FINISH DESIGNATIONS ON FLOOR PLAN & INTERIOR ELEVATIONS FOR BASE FINISH LOCATIONS & TRANSITIONS.

- **RB**: .125" THERMOPLASTIC RUBBER RESILIENT WALL BASE
- RB-1: MFR: ROPPE, SIZE: 4" COVE, COLOR: 123 CHARCOAL, ROLL GOODS

ALL GYPSUM BOARD WALLS PERPENDICULAR TO EXTERIOR WALL WITH WINDOWS TO RECEIVE PAINT ARE TO HAVE A LEVEL 5 DRYWALL FINISH.

- PT: ACRYLIC LATEX COATING 2 FINISH COATS OVER PRIMER
- PT-1: SHERWIN WILLIAMS, AESTHETIC WHITE, SW7035, EGGSHELL LATEX COATING
- **EPT**: POLYAMIDE EPOXY COATING 2 FINISH COATS OVER PRIMER
- EPT-1: SHERWIN WILLIAMS, AESTHETIC WHITE, SW7035, SEMI-GLOSS EPOXY COATING
- CT: PORCELAIN TILE W 1/8" MAX GROUT JOINTS
- CT-3: MANUFACTURER: MOSA, PATTERN: TERRA TONES, COLOR: #206 XYZV, 8"X48", RUNNING BOND PATTERN WITH 33% OVERLAP
- CT-5: MANUFACTURER: CROSSVILLE, PATTERN: LAMINAM, I NATURALI, COLOR: BIANCO STATUARIO L4581, 1M X 3M
- **EL:** ELEVATOR WALL SYSTEM
- **EL-1**: MANUFACTURER: FORMS + SURFACES, LEVELE-104 ELEVATOR INTERIORS, DIAMALITE GLASS PANELS, VIVICHROME CHROMIS, COLOR TBD

CEILING FINISHES REFERENCE REFLECTED CEILING PLAN(S) FOR CEILING FINISH LOCATIONS & TRANSITIONS.

SAT: ACOUSTICAL CEILING TILE IN SUSPENDED GRID

- SAT-1: SIZE: 24" X 24", MFR: ARMSTRONG, STYLE: ULTIMA (WHITE) SQUARE TEGULAR, GRID: 9/16"
- GB: GYPSUM WALLBOARD W/ FLAT FINISH ACRYLIC LATEX PAINT 2 FINISH COATS OVER PRIMER
- GB-1: SHERWIN WILLIAMS SW 7007 "CEILING BRIGHT WHITE"
- EL: ELEVATOR CEILING SYSTEM
- EL-2: MANUFACTURER: FORMS + SURFACES, ELEVATOR CEILINGS, FUSED METAL, COLOR: WHITE GOLD SEASTONE, HIGH OUTPUT LED PERIMETER LIGHTING

CASEWORK FINISHES REFERENCE CASEWORK SECTIONS FOR CASEWORK FINISH LOCATION

SS: SOLID SURFACE

SS-1: MFR: CAMBRIA, STYLE: LUXURY SERIES, COLOR: ELLA

GENERAL FINISH NOTES

- PAINT ALL HOLLOW METAL DOORS AND FRAMES W/ 2 COATS OF SEMI-GLOSS, ACRYLIC LATEXT PAINT TO MATCH RUBBER BASE,
- PROVIDE THE FOLLOWING TRANSITION STRIPS AT LOCTIONS WHERE DISSIMLAR FLOOR MATERIALS MEET. ENSURE ALL TRANSITIONS ARE ADA COMPLIANT, 1/2" OR LESS CHANGE IN ELEVATION. CARPET TO PORCELAIN TILE: SCHLUTER-RENO-TK CLEAR ANODIZED ALUM
 - CARPET TO FINISHED CONCRETE: SCHLUTER-RENO-U CLEAR ANODIZED ALUM PORCELAIN TILE TO FINISHED CONCRETE: SCHLUTER-RENO-U CLEAR ANODIZED ALUM
- ROOM FINISH SCHEDULE IS FOR GENERAL COORDINATION OF FINSHES. REFERENCE ROOM FINISH PLANS, INTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR COODINTATION OF ALL FINAL FINISHES.
- ALL SOFFITS TO BE PAINTED SHERWIN WILLIAMS #SW7007 "CEILING BRIGHT WHITE" UNLESS NOTED OTHERWISE PAINT METAL WALL-MOUNTED ACCESS DOORS, GRILLES AND UNFINISHED COVER PLATES TO MATCH ADJACENT WALL SURFACE.

SCHEDULE REMARKS

- (1) TILE PATTERN CONSISTS OF 50% CT-1 AND 50% CT-2
 (2) CT-5 WALL TILE TO BE FLOOR TO CEILING SURROUNDING ELEVATOR DOORS
 (3) CT-3 WALL TILE FLOOR TO CEILING



VAN TRUST REAL ESTATE, LLC 4900 Main St., Suite 400 Kansas City, MO 64112

> PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018

Issued For: CORE/SHELL BID SET

REVISIONS

REGISTRATION



CONTRACTOR

MWBuilders

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE

YOUNG + DRING

PHELPS ENGINEERING

FOUNDATIONS PMA ENGINEERING

PMA ENGINEERING PLUMBING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS

ELECTRICAL PKMR ENGINEERS CONTRACTOR MW BUILDERS

VAN TRUST DEVELOPER REAL ESTATE, LLC



7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

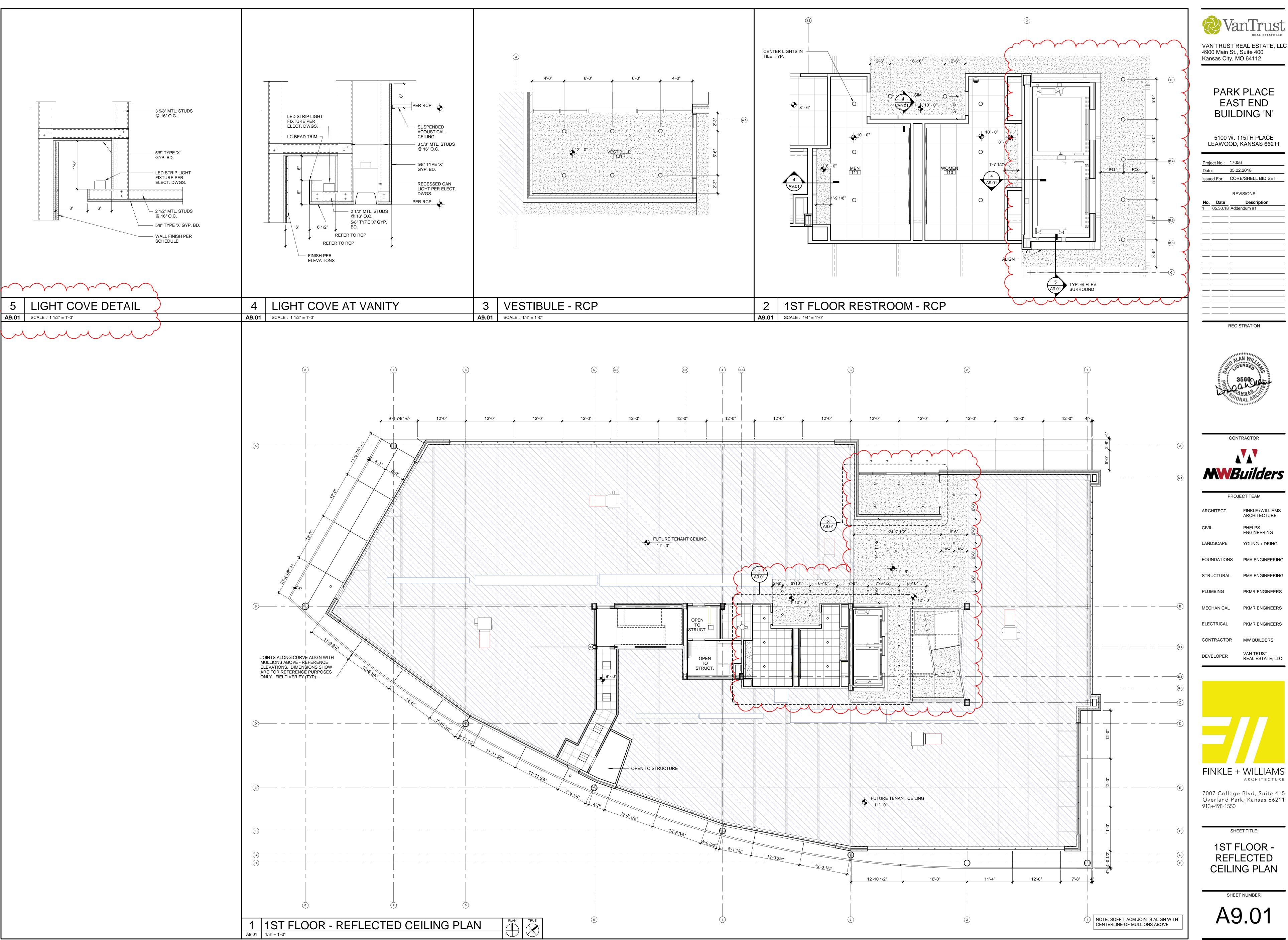
ARCHITECTURE

SHEET TITLE

FINISH SCHEDULE AND DETAILS

SHEET NUMBER

A8.10





Kansas City, MO 64112

PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET REVISIONS

REGISTRATION





PROJECT TEAM FINKLE+WILLIAMS

PHELPS **ENGINEERING** YOUNG + DRING LANDSCAPE FOUNDATIONS PMA ENGINEERING STRUCTURAL PMA ENGINEERING

> PKMR ENGINEERS PKMR ENGINEERS

ELECTRICAL PKMR ENGINEERS CONTRACTOR MW BUILDERS VAN TRUST REAL ESTATE, LLC DEVELOPER

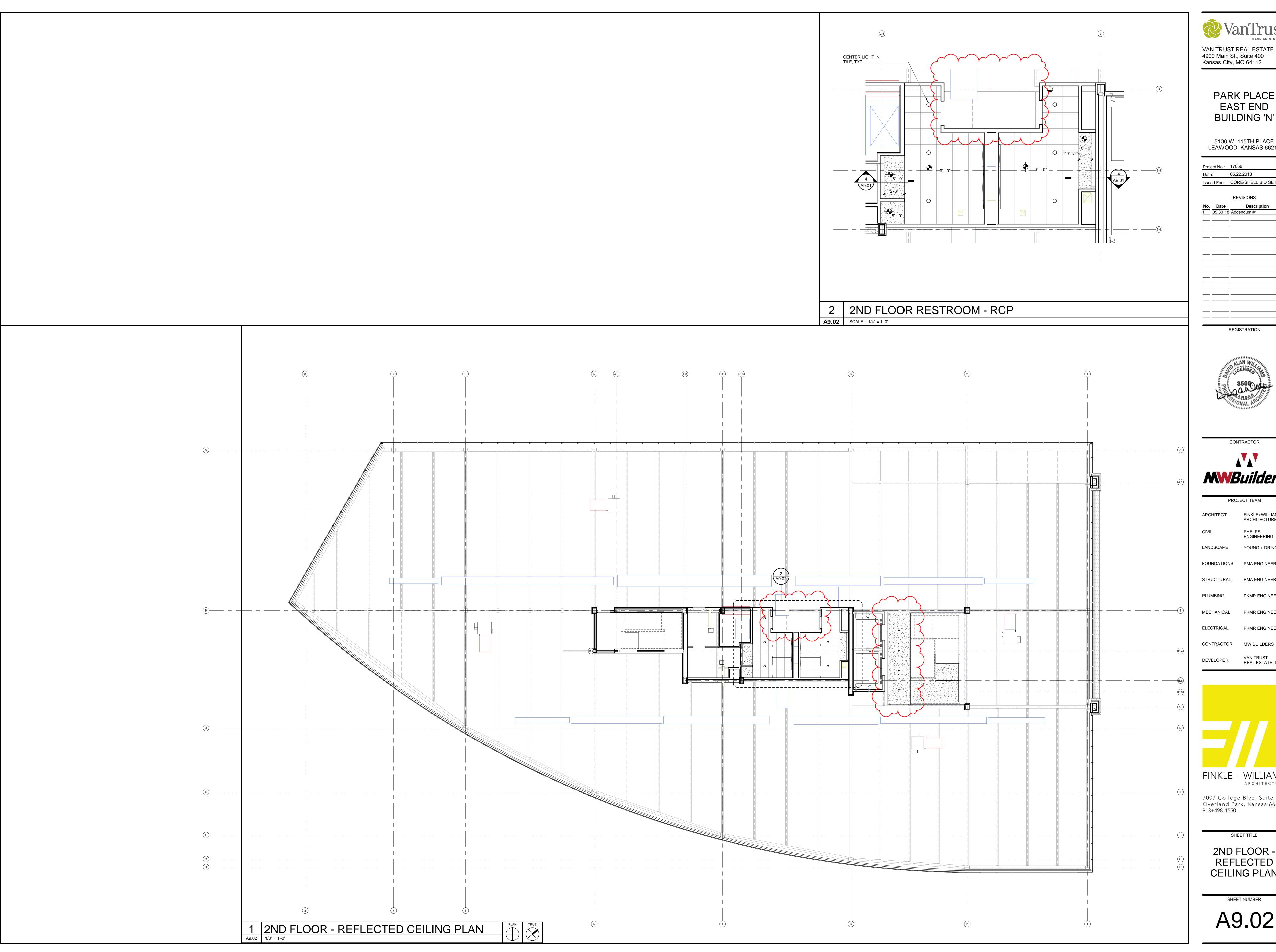
ARCHITECTURE

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SHEET TITLE

1ST FLOOR -REFLECTED **CEILING PLAN**

SHEET NUMBER A9.01





PARK PLACE **EAST END**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Date: 05.22.2018

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PROJECT TEAM

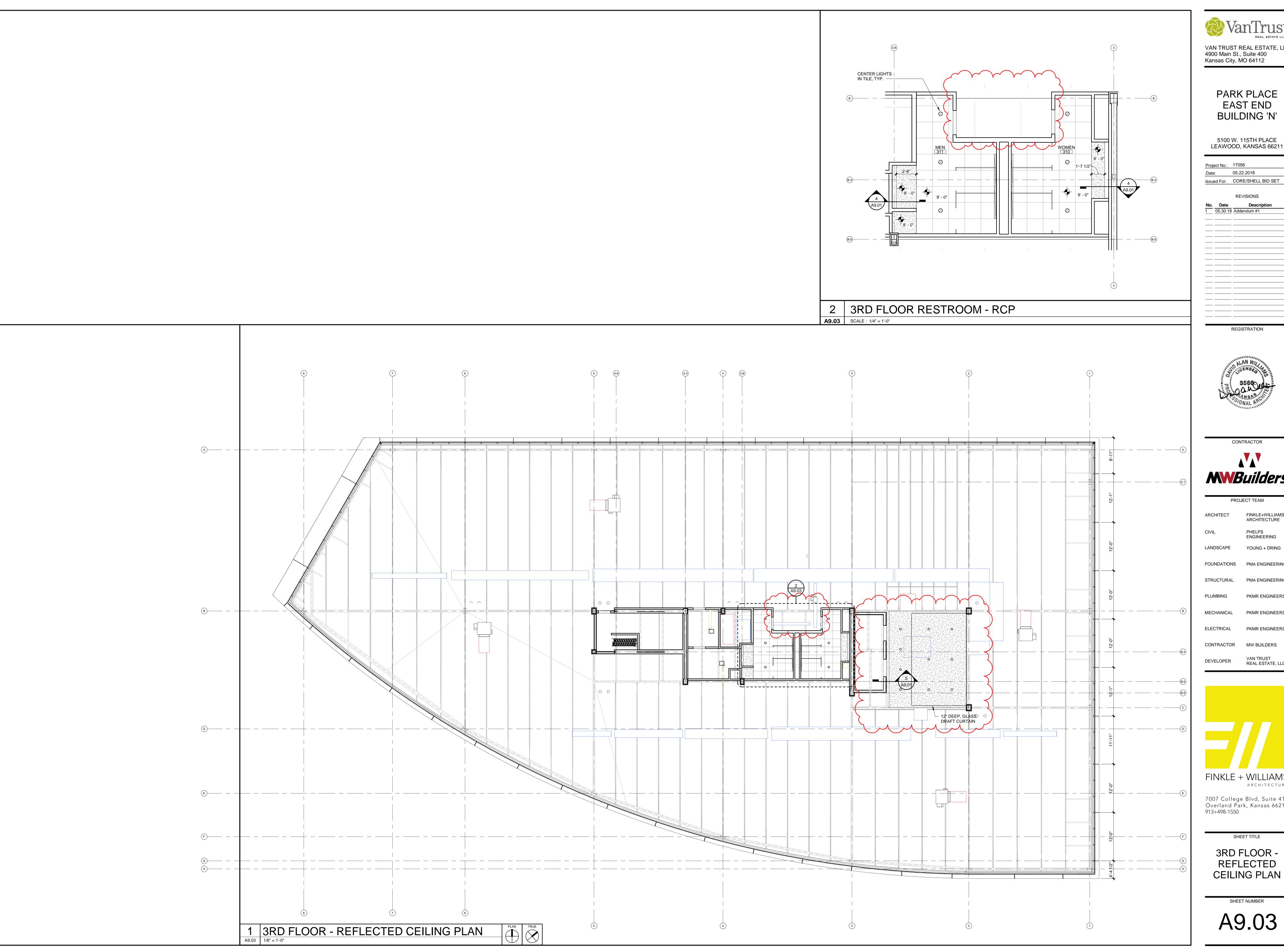


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2ND FLOOR -REFLECTED CEILING PLAN

SHEET NUMBER

A9.02





PARK PLACE EAST END

Date: 05.22.2018

REVISIONS

REGISTRATION





PROJECT TEAM

ENGINEERING YOUNG + DRING

FOUNDATIONS PMA ENGINEERING

CONTRACTOR MW BUILDERS

VAN TRUST REAL ESTATE, LLC



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SHEET TITLE

3RD FLOOR -REFLECTED CEILING PLAN

SHEET NUMBER

A9.03

1.1 ALTERNATES A. IF ANY ALTERNATES ARE INDICATED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL FURNISH A SEPARATE PRICE FOR ALL MATERIAL. TAXES, FREIGHT.

THE PROPOSED ALTERNATE MAY THEN BE ADDED OR DEDUCTED FROM THE CONTRACT SUM IF THE OWNER ACCEPTS THE ALTERNATE 1.2 SUBMITTALS

MARKUP, DELIVERY, LABOR, OVERHEAD AND PROFIT FOR THAT PORTION OF THE WORK.

A. CONTRACTOR SHALL PREPARE AND SUBMIT SUBMITTALS REQUIRED BY INDIVIDUAL SPEC SECTIONS AS PDF UPLOADED TO ON-LINE PROJECT SOFTWARE WEBSITE FOR ARCHITECT'S REVIEW.

INITIAL REVIEW: MIN. 10 DAYS 2. RESUBMITTAL REVIEW (AS REQUIRED): MIN. 5 DAYS

CERTIFICATES AND CERTIFICATIONS SUBMITTALS: INCLUDES SIGNATURE OF ENTITY RESPONSIBLE FOR PREPARING CERTIFICATION

<u>DELEGATED-DESIGN SERVICES CERTIFICATION</u>: IN ADDITION TO OTHER REQUIRED SUBMITTALS, SUBMITAL DIGITALLY SIGNED PDF ELECTRONIC FILE, SIGNED AND SEALED BY THE RESPONSIBLE DESIGN PROFESSIONAL

BIM INCORPORATION BY CONTRACTOR IF REQUIRED BY OWNER.

CONTRACTOR'S SUBMITTAL REVIEW: CONTRACTOR SHALL REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT. 1. ARCHITECT WILL NOT REVIEW SUBMITTALS THAT DO NOT HAVE CONTRACTOR'S REVIEW AND APPROVAL

1.3 CONSTRUCTION PERIOD TESTING A. THE OWNER SHALL ENGAGE AN INDEPENDENT TESTING AGENCY TO PERFORM CODE-REQUIRED "SPECIAL INSPECTIONS" AND QUALITY CONTROL TESTING. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING TIMES FOR TESTS, INSPECTIONS, AND OBTAINING SAMPLES AND NOTIFYING TESTING AGENCY.

A. CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE MOST RECENT STANDARDS IN EFFECT AS OF THE DATE OF THE CONSTRUCTION DOCUMENTS, UNLESS INDICATED OTHERWISE

DIVISION 2 - SITE WORK

SEE CIVIL AND LANDSCAPE PLANS AND SPECIFICATIONS

DIVISION 3 - CONCRETE

SEE STRUCTURAL PLANS AND SPECIFICATIONS

DIVISION 4 - MASONRY

042000 UNIT MASONRY

PRODUCT DATA FOR EACH TYPE OF PRODUCT, SHOP DRAWINGS FOR REINFORCING STEEL. AND THREE (3) SAMPLES FOR EACH TYPE AND COLOR OF MASONRY UNIT TO ILLUSTRATE COLOR AND TEXTURE RANGE.

BUILD SAMPLE PANEL TO DEMONSTRATE QUALITY AND AESTHETICS, SIZE: APPROX. 48" X 60" FOR EACH TYPICAL WALL AREA.

CONCRETE MASONRY UNITS (CMU'S): ASTM C90, NORMAL WEIGHT, SPECIAL SHAPES FOR LINTELS, CORNERS, JAMBS, SASH, CONTROL JOINTS, AND OTHER SPECIAL CONDITIONS. BULLNOSE UNITS FOR OUTSIDE CORNERS, DOOR AND WINDOW JAMBS, AND SILLS. UNI ESS OTHERWISE INDICATED

a. UNITS MADE WITH INTEGRAL WATER REPELLENT [FOR EXPOSED UNITS] AND [WHERE INDICATED] DECORATIVE CMU'S: [NORMAL WEIGHT] WITH [GROUND-FACE] [SPLIT-FACE] [SCORED] FINISH, BASIS OF DESIGN (MFR, STYLE, COLOR) **INSULATED CMU'S**

FACE BRICK: BASIS OF DESIGN: (MFR, COLOR, TEXTURE, SIZE) a. ASTM C 216, GRADE SW, TYPE FBS MORTAR AND GROUT

MORTAR: ASTM C 270, TYPE N ABOVE GRADE, TYPE S BELOW GRADE. GROUT: ASTM C 476 WITH A SLUMP OF 8-11 INCHES, 28-DAY COMPRESSIVE STRENGTH OF 2,000 PSI MINIMUM. COLOR TO BE SELECTED FROM MANUFACTURER'S FULL RANGE.

REINFORCEMENT: SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR SPECIFICATIONS ON REINFORCEMENT

TIES AND ANCHORS a. THERMALLY BROKEN, THERMAL 2-SEAL WING NUT ANCHOR (BY HOHMANN & BARNARD INC. OR APPROVED EQUAL), STAINLESS STEEL TYPE 304 (BARREL, HOOK & WIRE), 3/16" DIA. COMPRESSED LEG HOOK, 9 GA CONTINUOUS WIRE.

FLASHING:
a. THRU-WALL: 40 MIL EPDM WITH STAINLESS STEEL TERMINATION BAR, EXTEND MINIMUM OF 6" ABOVE MORTAR NET. DRIP PLATE: 26 GA STAINLESS STEEL (TYPE 316), FULL-DEPTH PROFILE WITH HEMMED VISIBLE EDGE AND EXTENDING UP WALL SHEATHING A MINIMUM OF 4".

PROVIDE PREFABRICATED FULLY WELDED INSIDE AND OUTSIDE CORNERS. COMPRESSIBLE FILLER: PREMOLDED STRIPS ASTM D 1056. GRADE 2A1

PREFORMED CONTROL JOINT GASKETS: SBR OR PVC DESIGNED TO FIT STANDARD

WEEP HOLES: WEEPVENT BY MORTAR NET SOLUTIONS OR APPROVED EQUAL. MORTAR NET: INSTALL 10" HIGH BY 2" WIDE SAWTOOTH MORTAR NET WITH INSECT SHIELD. PROVIDE AT WALL BASE AND STRUCTURAL STEEL LINTELS. AIR AND WATER BARRIER TRANSITION FLASHING AS SPECIFIED IN DIVISION 7.

RIGID XPS INSULATION AS SPECIFIED IN DIVISION 7. BOND-BREAKER STRIPS: ASPHALT-SATURATED FELT COMPLYING W/ ASTM D 226.

MASONRY-CELL FILL: a. LIGHTWEIGHT AGGREGATE

MIX MASONRY UNITS FROM DIFFERENT PALLETS FOR UNIFORM BLEND OF COLOR AND TEXTURE. INSTALL MASONRY UNITS W/ UNIFORM BED AND HEAD JOINTS IN FULL BED OF MORTAR WITH FULL HEAD JOINTS IN RUNNING BOND (UNLESS NOTED OTHERWISE) KEEPING CAVITIES CLEAN OF MORTAR AND DEBRIS. TOOL MORTAR JOINTS SLIGHTLY

FLASHING: INSTALL CONTINUOUS THRU-WALL FLASHING AND DRIP PLATE AT ALL SHELF ANGLES, LINTELS, LEDGES, AND OTHER OBSTRUCTIONS TO THE DOWNWARD FLOW OF WATER. DRIP PLATE SHALL BE PLACED ON A SLOPING BED OF MORTAR AND SHALL EXTEND 1/4" BEYOND FACE OF MASONRY WITH HEMMED LEADING EDGE. JOINTS IN FLASHING SHALL BE SEALED AND 2" HIGH DAMS SHALL BE FORMED AT END OF FLASHING.

WEEP HOLES: PROVIDE AT 24" O.C. AT ALL THRU-WALL FLASHINGS. NTELS: INSTALL LINTELS ABOVE ALL OPENINGS AND WHERE INDICATED WITH MINIMUM 8" BEARING AT EACH JAMB AND FILL CORES IN MASONRY UNDER EACH LINTEL BEARING FULL HEIGHT OF JAMB.

EXPANSION JOINTS: PROVIDE CLOSED CELL PREMOLDED FILLER STRIP, FOAM BACKER ROD AND SEALANT COMPLYING WITH ASTM C920, GRADE NS, USE M, CLASS 50.

CLEANING: CLEAN MASONRY AS THE WORK PROGRESSES AND WHEN MORTAR IS THOROUGHLY SET AND CURED, CLEAN WITH A PROPRIETARY CLEANER APPROVED BY BRICK MANUFACTURER

047200 CAST STONE

PRODUCT DATA, SAMPLES, AND SHOP DRAWINGS INDICATING DIMENSIONS, JOINT LOCATIONS, RUSTICATION, EDGE CONDITIONS, EMBED LOCATIONS, AND ANCHORAGE

MANUFACTURER QUALIFICATIONS: A PLANT CERTIFIED BY THE CAST STONE INSTITUTE

CAST STONE UNITS: (ST-1) BASIS OF DESIGN: AS MANUFACTURED BY CONTINENTAL CAST STONE OR APPROVED EQUAL.

COMPLY WITH ASTM C1364 SHALL BE RESISTANT TO FREEZING AND THAWING SLOPE EXPOSED HORIZONTAL SURFACES 1:12 TO DRAIN

PROVIDE DRIPS ON PROJECTING ELEMENTS UNLESS OTHERWISE NOTED. COLORS & TEXTURES: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE INCLUDING PREMIUM COLORS. f. JOINTS TO ALIGN WITH ADJACENT MULLIONS

MORTAR: TYPE N a. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE, INCLUDING PREMIUM COLORS

MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS AND SHALL BE VERIFIED FROM A

- END DIVISION 4 -

ANCHORS: TYPE 304 STAINLESS STEEL 2. DOWELS: 1/2" DIA. ROUND BARS, TYPE 304 STAINLESS STEEL.

INSTALLATION: UNITS SHALL BE FULLY CURED PRIOR TO INSTALLATION. INSTALL CAST STONE UNITS SET IN FULL BED OF MORTAR WITH FULL HEAD JOINTS. RAKE OUT ALL JOINTS TO MINIMUM 3/4" INSTALL SEALANT TO MATCH CAST STONE (COLOR TO BE SELECTED FROM

12" LONG FIELD APPLIED SAMPLE PRIOR TO COMPLETE INSTALLATION). CLEANING AND PATCHING:

EXPOSED FACES OF CAST STONE UNITS SHALL BE PROTECTED FROM MORTAR AND STAINING DURING CONSTRUCTION. AFTER MORTAR IS THOROUGHLY SET AND CURED. CAST STONE SHALL BE CLEANED WITH A PRODUCT EXPRESSLY APPROVED FOR USE BY CLEANER MANUFACTURER AND CAST STONE MANUFACTURER. EXCESSIVE STAINING AND AN UNEVEN APPEARANCE SHALL BE CAUSE FOR REJECTION. MINOR PATCHING SHALL BE ALLOWED PROVIDED PATCH CAN BE BLENDED TO MATCH UNITS. UNITS WITH SIGNIFICANT CHIPS OR BREAKAGE SHALL BE REFABRICATED.

DIVISION 5 - METALS

051200 STRUCTURAL STEEL FRAMING

SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR STRUCTURAL STEEL SPECIFICATIONS. 1. EXTERIOR FABRICATIONS: ALL STRUCTURAL STEEL EXPOSED TO THE EXTERIOR

INCLUDING MASONRY LINTELS SHALL BE GALVANIZED AND FACTORY PRIMED READY FOR FINISH PAINTING, UNLESS NOTED OTHERWISE. 2. INTERIOR FABRICATIONS: FACTORY PRIMED, UNLESS NOTED OTHERWISE.

055113 METAL PAN STAIRS AND RAILINGS

SHOP DRAWINGS AND CALCULATIONS INDICATING MEMBER SIZES AND LAYOUT, VERTICAL AND HORIZONTAL DIMENSIONS. EDGE CONDITIONS. AND CONNECTION DETAILS SIGNED AND SEALED BY A QUALIFIED STRUCTURAL ENGINEER.

METAL STAIRS AND RAILINGS SHALL BE DESIGNED BY FABRICATOR TO SUPPORT CODE-REQUIRED LOADING AND TO MATCH THE CONFIGURATIONS INDICATED IN THE CONSTRUCTION DOCUMENTS.

FABRICATE ITEMS IN LARGEST PRACTICAL SECTIONS FOR DELIVERY TO SITE WITH JOINTS TIGHTLY FITTED AND SECURED WITH EXPOSED JOINTS WELDED AND GROUND FLUSH AND

1. WALL-MOUNT HANDRAIL BRACKETS: SINGLE HOLE FORMED HANDRAIL BRACKET W/ WALL FILLER AND SNAP-ON COVER (WAGNER 1929, OR SIMILAR)

EXTERIOR FABRICATIONS: GALVANIZED AND PRIME PAINTED READY FOR FINISH PAINTING, UNLESS NOTED OTHERWISE. INTERIOR FABRICATIONS: PRIME PAINTED READY FOR FINISH PAINTING

SUPPLY COMPONENTS REQUIRED FOR ANCHORAGE FABRICATED FROM SAME MATERIAL AND FINISH AS FABRICATION UNLESS NOTED OTHERWISE. SHIM AND LEVEL FABRICATIONS AS NECESSARY. 2. COAT CONCEALED SURFACES OF ALUMINUM FABRICATIONS IN CONTACT WITH

CONCRETE, GROUT, MASONRY, WOOD, OR DISSIMILAR METALS WITH BITUMINOUS PAINT. 057313 GLAZED DECORATIVE METAL RAILINGS

PRODUCT DATA

SHOP DRAWINGS INCLUDING PLANS, SECTIONS, AND DETAILS AT JOINTS AND PERIMETER CONDITIONS, ATTACHMENT, AND INTERFACE WITH WORK BY OTHERS.

STRUCTURAL CALCULATIONS MANUFACTURER'S STANDARD WARRANTY

DELEGATED DESIGN: FOR PRODUCTS INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, SEALED DRAWINGS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF KANSAS.

BASIS OF DESIGN: TAPER-LOC DRY GLAZING SYSTEM AS MANUFACTURED BY C.R.

LAURENCE CO., INC. OR APPROVED EQUAL

MATERIALS: ALUMINUM: CONFORMING TO ASTM B 2212 ALLOW 6063-T52

B. STAINLESS STEEL: CONFORMING TO ASTM A666, TYPE 304 GLAZING: FULLY TEMPERED ASTM C 1048 KIND FT, QUALITY Q3, MONOLITHIC TEMPERED THICKNESS 1/2"-3/4" MIN. REQUIRED TO MEET ALL STRUCTURAL

REQUIREMENTS. COLOR: CLEAR, POLISHED EDGE INTERNAL HANDRAIL CAP CONNECTION SLEEVES: METAL TUBE TAPER-LOC DRY GLAZING SYSTEM, DESIGN FOR B5S SHOE BASE SHOE BASE: PROFILE CRL PART #B5S 2 1/2" X 4 1/8", ALUMINUM, 304 BRUSHED

HANDRAIL BRACKET: CRL PART #HR3EGBS OR APPROVED EQUAL

D. FABRICATION: ALL METAL FABRICATION TO BE PERFORMED BY A SIGNLE SOURCE FABRICATOR.

- END DIVISION 5 -

DIVISION 6 - WOOD AND PLASTICS

SEE STRUCTURAL CONSTRUCTION DOCUMENTS FOR SPECIFICATIONS RELATED TO STRUCTURAL LUMBER, ENGINEERED WOOD PRODUCTS, PANEL PRODUCTS, FASTENERS, AND ACCESSORIES

1. PRODUCT DATA FOR TREATED WOOD, ENGINEERED WOOD PRODUCTS, FOAM PLASTIC

SHEATHING, AND BUILDING WRAP. **LUMBER: PROVIDE S4S, 19 PERCENT MAXIMUM MOISTURE CONTENT FOR 2-INCH NOMINAL** HICKNESS OR LESS, MARKED WITH GRADE STAMP OF INSPECTION AGENCY OF THE

INTERIOR PARTITION FRAMING: STANDARD, STUD, OR NO. 3 GRADE EXPOSED FRAMING: NO. 1 OR NO. 2, MISCELLANEOUS LUMBER FOR NAILERS, BLOCKING, AND SIMILAR CONSTRUCTION: STUD,

PANEL PRODUCTS: DOC PS 2. PROVIDE PLYWOOD COMPLYING WITH DOC PS 1 WHERE PLYWOOD IS INDICATED AND AS FOLLOWS:

 WALL SHEATHING: PLYWOOD: EXTERIOR OR EXPOSURE 1, STRUCTURAL I, FIRE RETARDANT-TREATED

ORIENTED STRAND BOARD: EXPOSURE 1, STRUCTURAL I GLASS-MAT GYPSUM: ASTM C 1177/C 1177M

EXTRUDED POLYSTYRENE FOAM: ASTM C 578, TYPE IV WITH T&G OR SHIPLAP LONG POLYISOCYANURATE FOAM: ASTM C 1289, TYPE I, CLASS 2, WITH ALUMINUM FOIL BACK-UP STRIPS, SPLINE-CONNECTION STRIPS, AND SIMILAR ASSOCIATED TRIM AND FACINGS. FOAM PLASTIC CORE AND FACINGS SHALL HAVE A FLAME SPREAD OF 25 OR LESS WHEN TESTED INDIVIDUALLY.

ROOF SHEATHING, WHERE INDICATED ON DRAWINGS: PLYWOOD: EXTERIOR OR EXPOSURE 1, STRUCTURAL I

ORIENTED STRAND BOARD: EXPOSURE 1, STRUCTURAL I PLYWOOD SUBFLOORING: EXTERIOR OR EXPOSURE 1, STRUCTURAL I TELEPHONE AND ELECTRICAL EQUIPMENT BACKING BOARDS: PLYWOOD, EXPOSURE 1, C-D PLUGGED, FIRE RETARDANT TREATED, 1/2" THICK.

PRESERVATIVE-TREATED MATERIALS: APWA C2 LUMBER AND APWA C9 PLYWOOD, LABELED BY AN INSPECTION AGENCY APPROVED BY ALSC'S BOARD OF REVIEW. AFTER TREATMENT, KILN-DRY LUMBER TO 19 PERCENT MOISTURE CONTENT AND PLYWOOD TO 15 PERCENT. TREAT INDICATED ITEMS AND THE FOLLOWING 1. WOOD MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS, AND

CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE WOOD FRAMING LESS THAN 18" ABOVE GRADE WOOD FLOOR PLATES INSTALLED OVER CONCRETE SLABS DIRECTLY IN CONTACT WITH

<u>FIRE-RETARDANT TREATED MATERIALS</u>: COMPLY WITH PERFORMANCE REQUIREMENTS IN AWPA C20 FOR LUMBER AND AWPA C27 FOR PLYWOOD LABELED BY TESTING AND INSPECTING AGENCY. USE INTERIOR TYPE A HIGH TEMPERATURE (HT). TREAT INDICATED ITEMS AND THE INTERIOR RATED: TELEPHONE AND ELECTRICAL EQUIPMENT BACKING BOARDS

2. EXTERIOR RATED: PLYWOOD SHEATHING AS DETAILED AT ROOF SOFFIT.

6. ADHESIVE FOR FIELD GLUING PANELS TO FRAMING: APA AFG-01.

FASTENERS: SIZE AND TYPE INDICATED, GALVANIZED WHEN EXPOSED TO WEATHER, GROUND CONTACT, OR AREAS OF HIGH HUMIDITY, STAINLESS STEEL WHEN FASTENING PRESERVATIVE-TREATED MATERIALS (CONTRACTOR SHALL CONFIRM COMPATIBILITY OF FASTENER MATERIAL WITH PRESERVATIVE).

2. METAL FRAMING ANCHORS: HOT-DIP GALVANIZED STEEL OF STRUCTURAL CAPACITY, BUILDING PAPER: ASPHALT SATURATED ORGANIC FELT COMPLYING WITH ASTM D 226, TYPE 1 (NO. 15 ASPHALT FELT), UNPERFORATED. AIR BARRIERS: AIR-RETARDER SHEETING OR FLUID APPLIED COATING DESIGNED TO

PREVENT WATER INSTRUSION FROM EXTERIOR TO INTERIOR BUT TO ALLOW WATER VAPOR TO PASS FROM INTERIOR TO EXTERIOR. SILL-SEALER: GLASS-FIBER INSULATION, 1" THICK, COMPRESSIBLE TO 1/32".

SET ROUGH CARPENTRY TO REQUIRED LEVELS AND LINES WITH MEMBERS PLUMB. TRUE TO LINE, CUT AND FITTED. DISCARD PIECES WITH DEFECTS THAT WOULD LOWER STRENGTH OR RESULT IN UNACCEPTABLE APPEARANCE OF EXPOSED MEMBERS. INSTALL STRUCTURAL MEMBER FULL LENGTH WITHOUT SPLICES UNLESS OTHERWISE

SPECIFICALLY DETAILED. COMPLY WITH MEMBER SIZES, SPACING, CONFIGURATION, AND FASTENER SIZE AND SPACING AS INDICATED ON THE STRUCTURAL DRAWINGS, BUT NOT LESS THAN REQUIRED BY APPLICABLE CODES AND AFPA WCD 1 T11. CONSTRUCT DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS AND UNDER

WALL STUD PARTITIONS THAT ARE PARALLEL TO FLOOR JOISTS. FRAME OPENINGS WITH TWO OR MORE STUDS AT EACH JAMB AND SUPPORT HEADERS PROVIDE DOUBLE 2x10 HEADERS WITH 1/2" PLYWOOD BETWEEN AND 2x4 BOTTOM PLATE AT ALL DOOR AND WINDOW OPENINGS UNLESS NOTED OTHERWISE.

FURNISH CONCEALED BLOCKING AND NAILERS WHERE INDICATED AND AT ALL LOCATIONS WHERE WALL HUNG ITEMS WILL REQUIRE A SUBSTRATE FOR FASTENING OR SUPPORT. INSTALL ROOF SHEATHING PERPENDICULAR TO FRAMING MEMBERS WITH ENDS STAGGERED AND SHEET ENDS OVER FIRM BEARING. PROVIDE PANELS CLIPS BETWEEN

INSTALL WALL SHEATHING PERPENDICULAR TO TO WALL STUDS WITH ENDS OVER FIRM BEARING AND STAGGERED. 10. INSTALL FLOOR SHEATHING PERPENDICULAR TO FLOOR JOISTS WITH ENDS OVER FIRM BEARING. GLUE AND NAIL SHEATHING TO EACH JOIST.

ROOF FRAMING MEMBERS AND SOLID EDGE BLOCKING BETWEEN SHEETS.

064023 INTERIOR ARCHITECTURAL WOODWORK

HARDBOARD: AHA A235.4

SUBMITTALS:

1. SAMPLES OF FINISH MATERIALS, CATALOG CUTS OF HARDWARE, AND SHOP DRAWINGS

INCLUDING DIMENSIONED PLANS, ELEVATIONS, AND SECTIONS.

B. <u>QUALITY ASSURANCE</u>: ARCHITECTURAL WOODWORK INSTITUTE'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS"

MEDIUM DENSITY FIBERBOARD: ANSI A208.2, GRADE MD, MADE WITH BINDER CONTAINING NO UREA FORMALDEHYDE. PARTICLEBOARD: ANSI A208.1, GRADE M-2 SOFT PLYWOOD: DOC PS 1

HARDWOOD PLYWOOD AND FACE VENEERS: HPVA HP-1, MADE WITH ADHESIVE CONTAINING NO UREA FORMALDEHYDE.

HIGH PRESSURE DECORATIVE LAMINATE: NEMA LD 3 SOLID SURFACE MATERIAL: HOMOGENOUS SOLID SHEETS OF FILLED PLASTIC RESIN

COMPLYING WITH ISSFA-2 HARDWARE: COMPLY WITH BHMA A156 HINGES: CONCEALED (EUROPEAN-TYPE) BHMA A156.9

PULLS: AS SPECIFIED ON DRAWINGS DRAWER SLIDES: SIDE-MOUNTED, ZINC-PLATED FULL EXTENSION STEEL DRAWER SLIDES WITH STEEL BALL BEARINGS. COMPLYING WITH BHMA A 156.9, GRADE 1 AND RATED AS FOLLOWS: BOX DRAWERS: 100lbf; FILES DRAWERS: 200 lbf, PENCIL DRAWERS:

DOOR AND DRAWER LOCKS: BHMA A156.11 GROMMETS: MOLDED PLASTIC WITH CAPS; FURNISH IN COLOR AND LOCATIONS AS HARDWARE FINISH: SATIN STAINLESS STEEL: BHMA 630

COMPLETE FABRICATION BEFORE SHIPPING TO PROJECT SITE TO MAXIMUM EXTENT FEASIBLE. DISASSEMBLE ONLY AS NEEDED FOR SHIPPING AND INSTALLING. WHERE NECESSARY FOR FITTING AT PROJECT SITE, PROVIDE FOR SCRIBING AND TRIMMING. BACKOUT AND GROOVE BACKS OF FLAT MEMBERS, KERF BACKS OF OTHER WIDE, FLAT

INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH: CUSTOM GRADE, SPECIES

MEMBERS, EXCEPT WHERE ENDS WILL BE EXPOSED IN FINISHED WORK.

WOOD CABINETS FOR TRANSPARENT FINISH: GRADE: PREMIUM

> AWI TYPE OF CABINET CONSTRUCTION: FLUSH OVERLAY VENEER MATCHING: BALANCE MATCHED VENEER SPECIES AND CUT: PER DRAWINGS, WITH VENEER ON ALL EXPOSED AND

SEMIEXPOSED SURFACES. CABINET INTERIORS: BLACK MELAMINE WITH DARK VENEERS, WHITE MELAMINE FOR LIGHT VENEERS (CONFIRM WITH ARCHITECT) SHELVING AND SUPPORTS: HIGH PRESSURE LAMINATE TO MATCH MELAMINE SUPPORTED ON

G. <u>LAMINATE-CLAD CABINETS AND COUNTERTOPS:</u>

STAINLESS STL. PINS

AWI TYPE OF CABINET CONSTRUCTION: FLUSH OVERLAY, UNLESS NOTED OTHERWISE ON DRAWINGS.

3. LAMINATE CLADDING: a. VERTICAL SURFACES: HGS UNLESS NOTED BELOW ELEVATOR CABS: FIRE RATED LAMINATE WALL PANELS AND WAINSCOTING: HIGH-WEAR LAMINATE

HORIZONTAL SURFACES: HGS UNLESS NOTED BELOW RECEPTION COUNTERS AND TRANSACTION TOPS: HIGH-WEAR LAMINATE LAB, EXAM RM. AND PROCEDURE COUNTERS: CHEMICAL RESISTANT LAMINATE POSTFORMED SURFACES: HGP

EDGES: HGS CABINET INTERIORS: BLACK MELAMINE WITH DARK COLOR LAMINATES, WHITE MELAMINE WITH LIGHT COLOR LAMINATES (CONFIRM WITH ARCHITECT)

SHELVING AND SUPPORTS: HIGH PRESSURE LAMINATE TO MATCH MELAMINE SUPPORTED ON STAINLESS STL. PINS

H. FLUSH WOOD PANELING FOR TRANSPARENT FINISH: GRADE: PREMIUM VENEER MATCHING: SLIP AND BALANCE

> VENEER SPECIES AND CUT: PER DRAWINGS WITH VENEER ON ALL FACES AND PANEL EDGES. PANEL MATCHING: SEQUENCE MATCHED UNIFORM SIZE SETS WITHIN EACH AREA PANEL CONSTRUCTION: FACTORY VENEERED PANEL FACES (NO SHOP VENEERED FACES

FINISH ALL WOODWORK IN THE SHOP TO SAME GRADE AS ITEMS BEING FINISHED APPLY ONE COAT OF SEALER OR PRIMER TO CONCEALED SURFACES OF WOODWORK. APPLY TWO COATS TO BACK OF PANELING.

APPLY A VINYL WASH COAT TO WOODWORK MADE FROM CLOSED-GRAIN WOOD BEFORE STAINING AND FINISHING. AFTER STAINING, IF ANY, APPLY PASTE WOOD FILLER TO OPEN-GRAIN WOODS AND WIPE OFF EXCESS. TINT FILLER TO MATCH STAINED WOOD. FINISH WITH AWI SYSTEM [TR-0 SYNTHETIC PENETRATING OIL] [TR-4, CONVERSION VARNISH]

DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETED, HVAC IS OPERATING, AND WOODWORK IS CONDITIONED TO PREVAILING

[TR-5, CATALYZED VINYL LACQUER] [TR-6, CATALYZED POLYURETHANE

CONDITIONS OF SPACE WHERE INSTALLED. INSTALL WOODWORK LEVEL AND PLUMB AND SHIM AS REQUIRED WITH CONCEALED SHIMS TO TOLERANCE OF 1/8"/96" AND TO COMPLY WITH REFERENCED QUALITY STANDARD FOR GRADE SPECIFIED.

SCRIBE AND CUT WOODWORK TO FIT ADJOINING WORK, SEAL CUT SURFACES, AND REPAIR

INSTALL TRIM WITH MINIMUM NUMBER OF JOINTS POSSIBLE USING FULL-LENGTH PIECES TO GREATEST EXTENT POSSIBLE. STAGGER JOINTS IN ADJACENT AND RELATED MEMBERS. ANCHOR PANELING WITH CONCEALED PANEL-HANGER CLIPS AND BY BLIND NAILING ON

- END DIVISION 6 -

<u>DIVISION 7 - THERMAL AND MOISTURE PROTECTION</u>

BUILDING ENVELOPE MEETING WITH ALL DIVISION 7 SUBCONTRACTORS, THE ARCHITECT, AND OWNER SHALL TAKE PLACE ONCE ALL SUBCONTRACTORS HAVE BEEN SELECTED TO ENSURE ALL PRODUCTS ARE COMPATABLE AND TO ELIMINATE ANY GAP IN SCOPE.

071326 SELF-ADHERING SHEET WATERPROOFING

A. <u>SUBMITTALS:</u> PRODUCT DATA AND PRODUCT TEST REPORTS

B. QUALITY ASSURANCE: MANUFACTURER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED WATERPROOFING MATERIALS: BASIS OF DESIGN - CCW MIRADRI 860/861 AS MANUFACTURED BY CARLISLE COATINGS & WATERPROOFING OR APPROVED EQUAL. TO BE USED WITH MIRADRAIN DRAINAGE SYSTEM AS DETAILED BY CARLISLE DETAIL 860-2D. THIS SYSTEM SHALL BE USED ALONG THE PLAN NORTH ELEVATION WHERE FINISH GRADE IS ABOVE FINISH FLOOR, SEE

CONSTRUCTION DOCUMENTS FOR MORE DETAIL. RUBBERIZED ASPHALT SHEET: 60-mil (1.5 mm) THICK. SELF-ADHERING SHEET CONSISTING OF 56 mils (1.4 mm) OF RUBBERIZED ASPHALT LAMINATED TO A 4-mil (0.10 mm) THICK POLYETHYLENE FILM WITH RELEASE LINER ON ADHESIVE SIDE. ACCESSORY PRODUCTS: BASIS OF DESIGN: CCW PRODUCT LINE TO INCLUDE: SURFACE PRIMER, MASTIC AND SEALANTS, SHEET FLASHING, LIQUID MEMBRANE, SUBSTRATE PATCHING MEMBRANE, ADHESIVES, TAPE, AND METAL TERMINATION BARS RECOMMENDED

BY WATERPROOFING MANUFACTURER. PROTECTION COURSE: BASIS OF DESIGN CCW-PROTECTION BOARD PERIMETER DRAINAGE SYSTEM: BASIS OF DESIGN - CCW MIRADRAIN HC.

PROVIDE CLEAN, DUST-PREE, AND ORY SUBSTRATES FOR WATERPROOFING APPLICATION. REMOVE FINS, RIDGES, MORTAR, AND OTHER PROJECTIONS AND FILL HOMEYCOMB, AGGREGATE POCKETS, HOLES, AND VOIDS. PREPARE, FILL, PRIME, AND TREAT JOINTS AND CRACKS IN SUBSTRATES BRIDGE AND COVER ISOLATION AND EXPANSION JOINTS WITH OVERLAPPING SHEET STRAPS. INVERT AND LOOSELY LAY FIRST SHEET STRIP OVER CENTER OF JOINT. FIRMLY ADHERE

SECOND STRIP TO FIRST AND OVERLAP TO SUBSTRATE. PREPARE, PRIME, AND TREAT INSIDE AND OUTSIDE CORNERS, TERMINATION, PROTRUSIONS. AND PENETRATIONS THROUGH WATERPROOFING ACCORDING TO ASTM D 6135. APPLY PRIMER TO SUBSTRATES AT REQUIRED RATE, ALLOW TO DRY, AND INSTALL SELF-ADHERING SHEETS PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND ASTM D 6135 MAINTAINING UNIFORM MINIMUM 21/2" LAP WIDTHS AND END LAPS. OVERLAP AND SEAL

SEAMS AND STAGGER END LAPS. REPAIR ANY TEARS AND VOIDS AND SLIT AND FLATTEN FISHMOUTHS AND BLISTERS. PATCH WITH SHEETS EXTENDING 6" BEYOND REPAIRED AREAS IN ALL DIRECTIONS. INSTALL PROTECTION COURSE OVER WATERPROOFING AND SECURE DRAINAGE PANELS

OVER PROTECTION COURSE WITHOUT PENETRATING WATERPROOFING. LAP EDGES AND ENDS OF GEOTEXTILE PROTECT WATERPROOFING SYSTEM FROM DAMAGE DURING CONSTRUCTION.

072726 FLUID-APPLIED MEMBRANE AIR BARRIERS

A. <u>SUBMITTALS:</u> PRODUCT DATA AND PRODUCT TEST REPORTS

B. <u>QUALITY ASSURANCE:</u> INSTALLER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED BY

PRODUCTS: BASIS OF DESIGN: "FIRE RESIST BARRITECH VP" BY CARLISLE COATINGS AND WATERPROOFING OR APPROVED EQUAL FLAME SPREAD: <25. ASTM E 84 VAPOR PERMEANCE: NOT LESS THAN 10 PERMS, ASTM E-96, METHOD B

FASTENER SEALABILITY: NO WATER LEAKING THROUGH NAIL PENETRATIONS AFTER 24 HOURS, ASTM D 1970 WATER RESISTANCE: 55 cm COL. OF WATER FOR 5 HOURS, NO LEAKING OR WET THROUGH FIRE PROPAGATION: MEETS REQUIREMENTS OF NFPA 285 IN APPROVED TESTED WALL ASSEMBLIES, REF SHEET A0.05 FOR EXTERIOR WALL ASSEMBLY INFORMATION.

ACCESSORIES: PROVIDE THE FOLLOWING PRODUCT ACCESSORIES OR APPROVED EQUALS FROM

a. DETAIL FLASHING: FOIL FACED-BUTYL OR FOIL-FACED RUBBERIZED ASPHALT FLASHING, MIN.

30 MILS THICKNESS. APPROVIED WITH AIR BARRIER MEMBRANE IN NFPA 285 TESTED WALL ASSEMBLIES CONTACT ADHESIVE: CCW-702-BASED

SAME MANUFACTURER AS AIR BARRIER MEMBRANE.

GLASS MAT: LIQUIFIBER-W

AIR PERMEANCE: <0.02 I/S*M*M AT 75 Pa

DETAIL MASTIC: SURE-SEAL LAP SEALANT TRANSITION MEMBRANE: CCW SURE-SEAL PRESSURE SENSITIVE ELASTOFORM TRANSITION MEMBRANE PRIMER: SURE-SEAL LOW VOC EPDM PRIMER REINFORCING FABRIC: DCH REINFORCING FABRIC

FILL COMPOUND: 2-PART, NON-SAG POLYURETHANE SEALANT, CCW-703 V OR CCW-201 INSTALLATION: AIR BARRIERS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE APPLICABLE ICC-ES EVALUATION REPORT AND THE APPLICABLE 072100 THERMAL INSULATION

A. <u>SUBMITTALS:</u> PRODUCT DATA FOR EACH TYPE OF INSULATION SPECIFIED

B. <u>SURFACE BURNING CHARACTERISTICS</u> FLAME SPREAD INDEX: 25 OR LES

SMOKE DEVELOPED INDEX: 50 OR LESS IN EXPOSED AREAS AND PLENUMS; 450 OR LESS WHERE CONCEALED.

EXTRUDED POLYSTYRENE RIGID (XPS) BOARD INSULATION:

LOCATIONS: TO BE USED IN BRICK CAVITY WALL ASSEMBLY AND BELOW GRADE. REFER TO SHEET A0.05 FOR EXTERIOR WALL ASSEMBLY INFORMATION

BASIS OF DESIGN PRODUCT: OWENS CORNING "FOAMULAR" 250 XPS INSULATION OR

APPROVED EQUAL CLASSIFICATION: ASTM C 578, TYPE IV FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED WALL ASSEMBLIES

WATER ABSORPTION <=0.3% PER ASTM C272 R-VALUE: MIN. R7.5 AT WALLS. MIN. R10 AT BUILDING FOUNDATION. AS INDICATED IN CONSTRUCTION DOCUMENTS

POLYISOCYANURATE (POLYISO) FOAM RIGID BOARD INSULATION: LOCATION: TO BE USED IN METAL COMPOSITE PANEL WALL ASSEMBLY REFER TO SHEET A0.05 FOR WALL ASSEMBLY INFORMATION PRODUCT: DOW "THERMAX" (CI) EXTERIOR INSULATION OR APPROVED EQUAL

CLASSIFICATION: ASTM C1289, TYPE 1, CLASS 2 FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED WALL ASSEMBLIES R-VALUE: MIN. R7.5, AS INDICATED IN CONSTRUCTION DOCUMENTS. GLASS FIBER BLANKET INSULATION: MEETS NFPA 285 IN APPROVED ASSEMBLIES TYPE I. UNFACED AT LOCATIONS BELOW FUTURE CEILING HEIGHT

FROM FUTURE CEILING HEIGHT TO UNDERSIDE OF DECK. PROVIDE 6LB/CF MINERAL ROCK WOOL AT ALL HOLLOW METAL DOOR FRAMES. PROVIDE 4 LB/CF MINERAL ROCK WOOL AT WINDOW HEAD LOCATIONS IN BRICK CAVITY WALL AND CONT. AT EA. FLOOR LINE WHERE STUD FRAMING IS CONTINUOUS

TYPE III, CLASS A, FOIL-SCRIM VAPOR RETARDER MEMBRANE FACED EXTENDING

FOIL/SCRIM AT PLENUMS AND EXPOSED AREAS - FLAME SPREAD 25/ SMOKE DEVELOPED 50

INSTALLATION:

1. INSTALL PER MANUFACTURER'S RECOMMENDATION AND AS FOLLOWS: INSTALL INSULATION IN AREAS AND IN THICKNESSES INDICATED OR REQUIRED TO PRODUCE R-VALUES WHERE INDICATED. CUT AND FIT TIGHTLY AROUND OBSTRUCTIONS AND FILL VOIDS WITH INSULATION.

074213.23 METAL COMPOSITE MATERIAL WALL PANELS

PAST FLOOR SLAB.

PRODUCT DATA, TEST DATA, WARRANTIES SHOP DRAWINGS SHOWING ALL PANEL JOINTS LAYOUTS, AND ATTACHMENT DETAILS. PANEL SYSTEM ASSEMBLY, FINISH SAMPLES.

INSTALLER QUALIFICATIONS: AUTHORIZED, APPROVED, OR LICENSED BY MANUFACTURER. MANUFACTURER SHALL HAVE MINIMUM 15 YEARS IN THE MANUFACTURING OF THIS PRODUCT.

COMPOSITE WALL PANELS (MP-1, & MP-2): ALUMINUM-FACED COMPOSITE PANELS WITH MOUNTING SYSTEM. PANEL MOUNTING SYSTEM INCLUDING ANCHORAGES, FURRING, FASTENERS, GASKETS AND SEALANTS, RELATED FLASHING ADAPTERS AND MASKING FOR a. BASIS OF DESIGN PRODUCT: ALUCOBOND PLUS MANUFACTURED BY 3A COMPOSITES USA OR APPROVED EQUAL.

THICKNESS: 4MM (0.157") ALUMINUM FACE SHEETS: THICKNESS (0.020"), ALLOY (3000 SERIES) CORE MATERIAL: FIRE RESISTANT FIRE PERFORMANCE: ASTM E84 CLASS A

ESR-3435 SYSTEM TYPE: ROUTE AND RETURN DRY FINISH: COIL COATED FLUOROPOLYMER 2-COAT SYSTEM WITH TOPCOAT CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT; COMPLYING WITH AAMA 2604, APPLIED BY MANUFACTURER

MP-2: AS SELECTED FROM MANUFACTURER'S FULL RANGE, INCLUDING PREMIUM

FIRE PROPAGATION: MEETS NFPA 285 IN APPROVED ASSEMBLIES, REFER TO ICC-ES

COLORS 2. EXPOSED FASTENER LAPPED SEAM PANEL (MP-3) MATERIAL: GALVANIZED STEEL

> PANEL THICKNESS: 22 GA PROFILE: VULCRAFT 1.5B OR EQUAL FINISH: FACTORY-APPLIED, OVEN BAKED FINISH BASED ON KYNAR 500 POLYVINYLIDENE FLOURIDE RESIN. FLUOROPOLYMER 2-COAT SYSTEM WITH TOPCOAT CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT; COMPLYING WITH AAMA 2605. COLOR: MATCH MP-1

STEEL SHEET OR ALUMINUM-ZINC ALLOY-COATED STEEL SHEET. PROVIDE FLASHING AND

TRIM AS REQUIRED TO SEAL AGAINST WEATHER AND TO PROVIDE FINISHED APPEARANCE.

• MP-1: ALUCOBOND'S NATURAL SERIES, "ZINC" OR AS SELECTED FROM

MANUFACTURER'S FULL COLOR RANGE. INCLUDING PREMIUM COLORS

PROVIDE COMPONENTS REQUIRED FOR A COMPLETE WALL PANEL ASSEMBLY INCLUDING TRIM, COPINGS, FASCIA, MULLIONS, CORNER UNITS, CLIPS, SEAM COVERS, FLASHINGS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS FLASHING AND TRIM: FORMED FROM 0.0179" (0.045mm) THICK, ZINC-COATED (GALVANIZED)

FINISH FLASHING AND TRIM WITH SAME FINISH SYSTEM AS ADJACENT METAL PANELS. BITUMINOUS COATING: COLD-APPLIED ASPHALT MASTIC, SSPC-PAINT 12, COMPOUNDED FOR 15-MIL (0.4mm) DRY FILM THICKNESS PER COAT. SELF-ADHERED FLASHING WHICH IS COMPATIBLE WITH AIR BARRIER SYSTEM.

WEEP HOLE COVERS TO PREVENT INSECTS, FINISH TO MATCH PANEL.

REQUIRED FOR WEATHERPROOF PERFORMANCE OF ASSEMBLIES.

E. INSTALLATION: ANCHOR PANELS SECURELY IN PLACE WITH PROVISIONS FOR THERMAL AND STRUCTURAL MOVEMENT. INSTALL WITH CONCEALED FASTENERS UNLESS OTHERWISE INDICATED USING STAINLESS STEEL FOR SURFACES EXPOSED TO THE EXTERIOR AND GALVANIZED FOR SURFACES EXPOSED TO THE INTERIOR. INSTALL MANUFACTURER RECOMMENDED GASKETS, JOINT FILLERS, AND SEALANTS WHERE

USE BITUMINOUS COATING OR SELF ADHERED FLASHING TO SEPARATE DISSIMILAR METALS

AND WHERE ALUMINUM PANELS WILL CONTACT WOOD, FERROUS METAL OR CONCRETE. CONFIRM COMPATIBILITY OF PRODUCT TO BE UTILIZED WITH ADJACENT

PROVIDE WEEPS IN METAL WALL PANELS AS REQUIRED TO PREVENT COLLECTION OF

WATER BEHIND PANELS.

ACCESSORIES

SHEET TERMINATIONS.

075423 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

PRODUCT DATA FOR ALL MATERIALS, AND SHOP DRAWINGS OF TAPERED INSULATION PROVIDE (20) YEAR MANUFACTURER'S STANDARD WRITTEN WARRANTY, WITHOUT MONETARY LIMITATION, SIGNED BY MANUFACTURER AGREEING TO REPAIR LEAKS DUE TO DEFECTS IN MATERIALS OR WORKMANSHIP AND A (3) YEAR LABOR AND MATERIAL WARRANTY FROM THE ROOFING SUBCONTRACTOR.

EXTERIOR FIRE TEST EXPOSURE: ASTM E 108, CLASS B. TPO SHEET: ASTM D 6878, TYPE II, SCRIM OR FABRIC INTERNALLY REINFORCED 60 MILS (1.5 mm) THICK; COLOR: WHITE

BASIS OF DESIGN PRODUCT: FIRESTONE ULTRAPLY TPO OR APPROVED EQUAL. AUXILIARY MATERIALS: RECOMMENDED BY ROOFING SYSTEM MANUFACTURER FOR INTENDED USE AND AS FOLLOWS: SHEET FLASHING: SAME THICKNESS AND COLOR AS SHEET MEMBRANE. BONDING ADHESIVE: TYPE AS RECOMMENDED BY MANUFACTURER MISCELLANEOUS ACCESSORIES: PROVIDE POURABLE SEALERS. PREFORMED CONE AND VENT SHEET FLASHINGS, PREFORMED INSIDE AND OUTSIDE CORNER SHEET FLASHINGS, T-JOINT COVERS, LAP SEALANTS, TERMINATION REGLETS, AND OTHER

1. POLYISOCYANURATE BOARD INSULATION: ASTM C 1289, TYPE II

MINIMUM R-VALUE: R-25 UTILIZE (2) LAYERS OF 2.3" MINIMUM THICKNESS, STAGGER JOINTS. FABRICATE TAPERED INSULATION WITH SLOPE OF 1/4"/FOOT UNLESS OTHERWISE PROVIDE PREFORMED SADDLES, CRICKETS, TAPERED EDGE STRIOS, AND OTHER INSULATION SHAPES WHERE INDICTED FOR SLOPING TO DRAIN. FABRICATE TO SLOPES INDICATED.

COVER BOARD: N/A

MECHANICALLY FASTEN EACH LAYER OF INSULATION TO DECK. INSTALL TPO SHEET ACCORDING TO ROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS UTILIZING FIRESTONE'S "INVISIWELD" SYSTEM ATTACHMENT METHOD OR APPROVED

a. MEMBRANE SHALL BE UNROLLED ON THE AREA TO BE COVERED AND FASTENED ALONG THE LEADING EDGE THROUGH THE MEMBRANE, INSULATION, AND INTO THE DECK. ADJACENT ROLLS OF MEMBRANE SHALL OVERLAP THE FASTENED EDGE OF THE INSTALLED MEMBRANE. FASTEN FIELD SHEETS WITH APPROVED FASTENERS FOR FM I-90 DESIGN FOR THE PROJECT DECK. ENSURE THAT THE DECK MATERIALS AND GRADE HAVE BEEN IDENTIFIED AND THAT THE PROPER FASTENER AND PLATE ARE INSTALLED AT THE NECESSARY SPACING TO ACHIEVE THE DESIGN AS SPECIFIED. FOR ROW SPACING IN EXCESS OF 76" SUBMIT VERIFICATION FROM MANUFACTURER THAT THE DECK AND MEMBRANE ASSEMBLY IS IN COMPLIANCE WITH FM I-90.

ENHANCEMENT SHALL BE INSTALLED AT ALL EXTERIOR ROOF PERIMETERS THAT ARE NOT BORDERED BY A PARAPET WALL OR AN ADJOINING BUILDING A MINIMUM OF 24" HIGHER THAN THE ROOF LEVEL AND IS REQUIRED AT ANY ADJOING ROOF LEVEL 24" OR GREATER ABOVE THE MAIN DECK LEVEL. PROVIDE FASTENERS AT SPACING REQUIRED BY MANUFACTURER TO COMPLY WITH WIND UPLIFT REQUIREMENTS. LAP SPLICE: MEMBRANE SHALL BE OVERLAPPED AND HOT-AIR WELDED WITHOUT ANY CONTAMINANTS (ADHESIVE, DIRT, DEBRIS, ETC.) IN THE SEAM. THE ENTIRE LAP EDGE SHALL BE PROBED WITH AN APPROVED SEAM PROBING TOOL AFTER THE SEAM HAS COOLED COMPLETELY TO VERIFY SEAM CONSISTENCY. SEAL EXPOSED EDGES OF

PERIMETER/CORNER ENHANCEMENT: PERIMETER/CORNER FASTENING

INSTALL SHEET FLASHINGS AND PREFORMED FLASHING ACCESSORIES AND ADHERE TO SUBSTRATES. PROTECT ROOFING FROM DAMAGE AND WEAR DURING REMAINDER OF CONSTRUCTION PERIOD.

076200 SHEET METAL FLASHING AND TRIM

A. <u>SUBMITTALS</u>: PRODUCT DATA, COLOR SAMPLES, AND SHOP DRAWINGS INDICATING MATERIAL, DIMENSIONS, JOINT LOCATIONS, EDGE CONDITIONS, AND METHODS OF ANCHORAGE.

B. <u>FABRICATION STANDARD</u>: COMPLY WITH SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL". CONFORM TO DIMENSIONS AND PROFILES SHOWN UNLESS MORE STRINGENT REQUIREMENTS

C. <u>COORDINATION</u>: COORDINATE INSTALLATION OF SHEET METAL FLASHING AND TRIM WITH INTERFACING AND ADJOINING CONSTRUCTION TO PROVIDE A LEAKPROOF, SECURE, AND NONCORROSIVE INSTALLATION.

SHEET METAL:
1. COPPER: ASTM B 370, TEMPER H00 OR H01, COLD ROLLED, NOT LESS THAN 16 OZ/S.F. (0.55 ALUMINUM SHEET: ASTM B 209 (ASTM B 209 M) ALLOY 3003, 3004, 3105, OR 5005, TEMPER SUITABLE FOR FORMING AND STRUCTURAL PERFORMANCE REQUIRED, BUT NOT LESS THAN H14: NOT LESS THAN 0.032 INCH (O.8 mm) THICK. FINISHED WITH MANUFACTURER'S FLUOROPOLYMER 2-COAT SYSTEM WITH TOPCOAT CONTAINING NOT LESS THAN 70%

POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT: COMPLYING WITH AAMA 2604. 3. STAINLESS STEEL SHEET: ASTM A 240/A 240M, TYPE 304, WITH NO. 2D FINISH; NOT LESS THAN 0.0156 INCH (0.4 mm) THICK.

FLASHING AND TRIM: FABRICATE FLASHING AND TRIM TO COMPLY WITH RECOMMENDATIONS F SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" THAT APPLY TO THE DESIGN, DIMENSIONS, METAL, AND OTHER CHARACTERISTICS OF THE ITEM INDICATED OR DETAILED ON THE CONSTRUCTION DRAWINGS. FABRICATE WITH CONCEALED FASTENERS EXCEPT WHERE EXPOSED FASTENERS ARE PERMITTED.

SOLDER FOR COPPER: ASTM B 32, GRADE Sn50 SOLDER FOR STAINLESS STEEL: ASTM B 32, GRADE Sn60, WITH ACID FLUX OF TYPE

RECOMMENDED BY STAINLESS STEEL MFR. BUTYL SEALANT: ASTM C 1311, SOLVENT-RELEASE TYPE, FOR EXPANSION JOINTS WITH LIMITED MOVEMENT.

ASPHALT MASTIC: SSPC-PAINT 12, ASBESTOS FREE, SOLVENT TYPE. ROOFING CEMENT: ASTM D 4586, TYPE I, ASBESTOS FREE, ASPHALT BASED 6. SLIP SHEET: RESIN-SIZED PAPER, MINIMUM 3 LB/100 S.F. (0.16 kg/sq. m)

A. SUBMITTALS: PRODUCT DATA, INSTALLATION DETAILS, WARRANTIES

G. INSTALLATION:

1. COMPLY WITH SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL." ALLOW FOR THERMAL EXPANSION: SET TRUE TO LINE AND LEVEL. INSTALL WORK WITH LAPS, JOINTS. AND SEAMS PERMANENTLY WATERTIGHT AND WEATHERPROOF: CONCEAL FASTENERS WHERE POSSIBLE.

SHEET 1-49 FOR SPECIFIED WIND ZONE. SEALED JOINTS: FORM NON-EXPANSION, BUT MOVABLE, JOINTS IN METAL TO ACCOMMODATE ELASTOMERIC SEALANT TO COMPLY WITY SMACNA STANDARDS USING BAYONET TYPE OR INTERLOCKING HOOKED SEAMS. FABRICATE NONMOVING SEAMS IN SHEET METAL WITH FLAT-LOCK SEAMS. FOR METAL

SECURE FLASHINGS AT ROOF EDGES ACCORDING TO FMG LOSS PREVENTION DATA

OTHER THAN ALUMINUM, TIN EDGES TO BE SEAMED, FORM SEAMS AND SOLDER. FOR

ALUMINUM, FORM SEAMS AND SEAL WITH EPOXY SEAM SEALER. RIVET JOINTS FOR ADDITIONAL STRENGTH. SEPARATION: SEPARATE NON-COMPATIBLE METALS OR CORROSIVE SUBSTRATES WITH A COATING OF ASPHALT MASTIC OR OTHER PERMANENT SEPARATION

077200 ROOF ACCESSORIES

ROOF CURBS AND EQUIPMENT SUPPORTS: SEE MECHANICAL SPECIFICATIONS FOR MORE

STRIPS AND BASE PROFILE COORDINATED WITH ROOF INSULATION THICKNESS AND ROOF ROOF HATCHES: INSULATED SINGLE-LEAF, 36" W X 60" D OPENING. FABRICATE FROM METALLIC-COATED STEEL WITH INTEGRAL CURB OF HEIGHT NECESSARY TO EXTEND 8" MIN. ABOVE ROOF SURFACE, DOUBLE WALL CONSTRUCTION WITH 11/2" INSULATION, FORMED CANTS AND CAP FLASHING, WITH WELDED MECHANICAL CORNER JOINTS. PROVIDE DOUBLE-WALL COVER (LID) CONSTRUCTION WITH 1" INSULATION CORE. PROVIDE GASKETING AND CORROSION RESISTANT HARDWARE INCLUDING PINTLE HINGES, HOLD-OPEN DEVICES, INTERIOR PADLOCK HASPS, AND BOTH INTERIOR AND EXTERIOR LATCH HANDLES.

INSTALLATION: INSTALL ROOF ACCESSORY ITEMS ACCORDING TO CONSTRUCTION DETAILS OF

NRCA'S "ROOFING AND WATERPROOFING MANUAL". COORDINATE WITH INSTALLATION OF

ROOF DECK, VAPOR BARRIERS, ROOF INSULATION, ROOFING, AND FLASHING TO ENSURE

COMBINED ELEMENTS ARE SECURE, WATERPROOF, AND WEATHERTIGHT.

INFORMATION, INCLUDE MANUFACTURER'S STANDARD RIGID OR SEMIRIGID INSULATION

AND PRESERVATIVE-TREATED WOOD NAILERS AT TOPS. PROVIDE UNITS WITH CANT

078413 PENETRATION FIRESTOPPING

SUBMITTALS: PRODUCT DATA AND PRODUCT CERTIFICATES SIGNED BY MFR. CERTIFYING THAT PRODUCTS COMPLY WITH REQUIREMENTS. B. RATINGS: PROVIDE FIRESTOPPING SYSTEM WITH FIRE RESISTANCE RATINGS INDICATED BY REFERENCE TO UL DESIGNATIONS AS LISTED IN ITS "FIRE RESISTANCE DIRECTORY", OR TO

FLAME SPREAD/SMOKE DEVELOPED RATINGS: FOR EXPOSED FIRESTOPPING, PROVIDE PRODUCTS WITH FLAME SPREAD INDEXES OF LESS THAN 25 AND SMOKE-DEVELOPED INDEXES OF LESS THAN 450, AS DETERMINED ACCORDING TO ASTM E 84. FIRESTOP SYSTEMS: USE SYSTEMS AS DESIGNATED ON THE CONSTRUCTION DRAWINGS, OR IF NOT DESIGNATED, ANY SYSTEM THAT IS CLASSIFIED BY UL AND ACCEPTABLE TO THE

AUTHORITY HAVING JURISDICTION FOR THE APPLICATION MAY BE USED.

DESIGNATION OF ANOTHER TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING

STING AGENCY'S DIRECTORY FOR INDICATED FIRE-RESISTANCE RATING. IDENTIFICATION: IDENTIFY THROUGH-PENETRATION FIRESTOP SYSTEMS WITH PERMANENT ABELS ATTACHED TO SURFACES ADJACENT TO FIRESTOP SYSTEMS SO THAT LABELS WILL BE VISIBLE TO ANYONE SEEKING TO REMOVE PENETRATING ITEMS OR FIRESTOP SYSTEMS.

INSTALLATION: INSTALL FIRESTOPPING SYSTEMS TO COMPLY WITH REQUIREMENTS LISTED IN

THE WORDS "WARNING - THROUGH PENETRATION FIRESTOP SYSTEM - DO NOT DISTURB"

CLASSIFICATION/LISTING DESIGNATION OF APPLICABLE TESTING AND INSPECTING

THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER'S NAME AND PRODUCT

TYPE OF SEALANT SUBMITTED.

LABELS SHALL INCLUDE THE FOLLOWING:

FORMULATED WITH FUNGICIDE.

SEALANT COMPLYING WITH ASTM C 834.

079200 JOINT SEALANTS SUBMITTALS: PRODUCT DATA, COLOR SAMPLES, AND SCHEDULE OF LOCATIONS FOR EACH

SEALANT COLORS/MOCKUP: MULTIPLE SEALANT COLORS WILL BE REQUIRED TO COORDINATE WITH COLORS OF MATERIALS BEING SEALED, SHALL BE SELECTED FROM MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS, INCLUDING PREMIUM COLORS, AND SHALL BE VERIFIED FROM A 12" LONG FIELD APPLIED SAMPLE OF EACH COLOR PRIOR TO COMPLETE INSTALLATION. ENVIRONMENTAL LIMITATIONS: DO NOT PROCEED WITH INSTALLATION OF JOINT SEALANTS

WHEN AMBIENT AND SUBSTRATE TEMPERATURE CONDITIONS ARE OUTSIDE LIMITS PERMITTED BY JOINT SEALANT MANUFACTURER OR ARE BELOW 40 deg F (4.4 deg C). COMPATIBILITY: PROVIDE JOINT SEALANTS, JOINT FILLERS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER SERVICE AND APPLICATION CONDITIONS.

ASTM C 920, TYPE S; GRADE NS; CLASS 25; USES T, M, AND O, WITH THE ADDITIONAL CAPABILITY TO WITHSTAND 50% MOVEMENT IN BOTH EXTENSION AND COMPRESSION FOR A TOTAL OF 100% MOVEMENT. EXTERIOR TRAFFIC BEARING JOINTS WHERE SLOPE PRECLUDES POURABLE SEALANT: SINGLE COMPONENT, NONSAG URETHANE SEALANT, ASTM C920, TYPE S; GRADE NS; CLASS 25: USES T, NT, M, G, A, AND O.

BUILDING EXPANSION JOINTS: SINGLE COMPONENT, NEUTRAL-CURING SILICONE SEALANT,

GRADE P; CLASS 25; USES T, M, G, A, AND O. INTERIOR JOINTS IN CERAMIC TILE AND OTHER HARD SURFACES IN KITCHENS. TOILET ROOMS, AND AROUND PLUMBING FIXTURES: SINGLE COMPONENT, MILDEW-RESISTANT SILICONE SEALANT, ASTM C 920, TYPE S; GRADE NS, CLASS 25; USES NT, G, A, AND O;

EXTERIOR TRAFFIC BEARING JOINTS WHERE SLOPE PERMITS USE OF POURABLE

INTERIOR JOINTS AROUND PERIMETERS OF DOORS AND FRAMES: LATEX SEALANT,

JOINT SEALANT BACKING: CYLINDRICAL CLOSED CELL PVC ROD COMPLYING WITH ASTM C330;

SIZE 30% TO 50% LARGER THAN JOINT WIDTH. ALL OPEN CELL BACKINGS SUCH AS "DENVER

SINGLE COMPONENT, NONSAG, MILDEW-RESISTANT, PAINTABLE, ACRYLIC EMULSION

SEALANT: SINGLE COMPONENT, POURABLE URETHANE SEALANT, ASTM C 920, TYPE S;

ACOUSTICAL SEALANT FOR CONCEALED JOINTS: NONDRYING, NONHARDENING. NONSKINNING, NONSTAINING, GUNNABLE, SYNTHETIC-RUBBER SELANT RECOMMENDED FOR SEALING INTERIOR CONCEALED JOINTS TO REDUCE TRANSMISSION OF AIRBORNE

ACOUSTICAL SEALANT FOR EXPOSED INTERIOR JOINTS: NONSAG, PAINTABLE,

NONSTAINING, LATEX SEALANT COMPLYING WITH ASTM C 834.

G. <u>BOND-BREAKER TAPE</u>: POLYETHYLENE TAPE OR OTHER PLASTIC TAPE RECOMMENDED BY SEALANT MFR. FOR PREVENTING SEALANT FROM ADHERING TO RIGID, INFLEXIBLE JOINT-FILLER MATERIALS OR JOINT SURFACES AT BACK OF JOINT.

H. <u>INSTALLATION</u>: COMPLY WITH ASTM C 1193; ASTM C 919 FOR ACOUSTICAL JOINTS; AND AS

MANUFACTURER'S INSTRUCTIONS. AND PROTECT ADJACENT SURFACES. INSTALL BOND-BREAKER TAPE WHERE JOINT BACKINGS ARE NOT USED. INSTALL SEALANT TOOLED CONCAVE, FREE OF AIR POCKETS, FOREIGN EMBEDDED MATTER, RIDGES, AND SAGS, AND PROTECT UNTIL FULLY CURED. SEALANT WITH DUST AND DEBRIS EMBEDDED IN SURFACE SHALL BE CAUSE FOR REJECTION.

REMOVE ALL LOOSE MATERIAL. CLEAN AND PRIME JOINTS IN ACCORDANCE WITH

- END DIVISION 7 -

VAN TRUST REAL ESTATE, LLC 4900 Main St., Suite 400 Kansas City, MO 64112

PARK PLACE

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET **REVISIONS**

05.30.18 Addendum #1



REGISTRATION

CONTRACTOR

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL PHELPS ENGINEERING

YOUNG + DRING

PKMR ENGINEERS

REAL ESTATE, LLC

MW BUILDERS

VAN TRUST

FOUNDATIONS PMA ENGINEERING PMA ENGINEERING

ELECTRICAL

CONTRACTOR

DEVELOPER

PLUMBING PKMR ENGINEERS **MECHANICAL** PKMR ENGINEERS

7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE

ARCHITECTURE

PROJECT

DESCRIPTION OF ALTERNATES 1 & 2

ALTERNATE 1 - WINDOW SYSTEM:

- 1.1: CURTAINWALL IN LIEU OF WINDOW WALL
- LOCATION: AT FULL PERIMETER, LEVELS 2 & 3 AND AT NORTH ELEVATION BRICK 'FEATURE' AT LEVELS 1 & 2
- 1.2: CURTAINWALL IN LIEU OF WINDOW WALL
- LOCATION: NORTH ELEVATION BRICK 'FEATURE' FROM LEVELS 1 & 2 ONLY

<u>ALTERNATE 2 - LOUVERS (FINS):</u>

2.1: GLASS FINS

- LOCATION: AT WEST ELEVATION FROM GRIDLINES 3 TO 7 AT LEVELS 2 & 3 AND NORTH ELEVATION BRICK 'FEATURE' AT LEVELS 1 & 2 (REF. 1/A7.01-alt)
- DESCRIPTION: REF 3-4/A5.01-alt. ALTERNATIVE GLASS LENGTHS AND CONNECTION METHODS MAY BE PRESENTED FOR CONSIDERATION IF THEY PRODUCE A MORE COST-EFFECTIVE WAY TO ACHIEVE DESIGN INTENT. ATTACH TO AND REINFORCE MULLION AS REQUIRED BY MANUFACTURER'S ENGINEERING AND TO NOT VOID MANUFACTURER'S WARRANTY

2.1: GLASS FINS

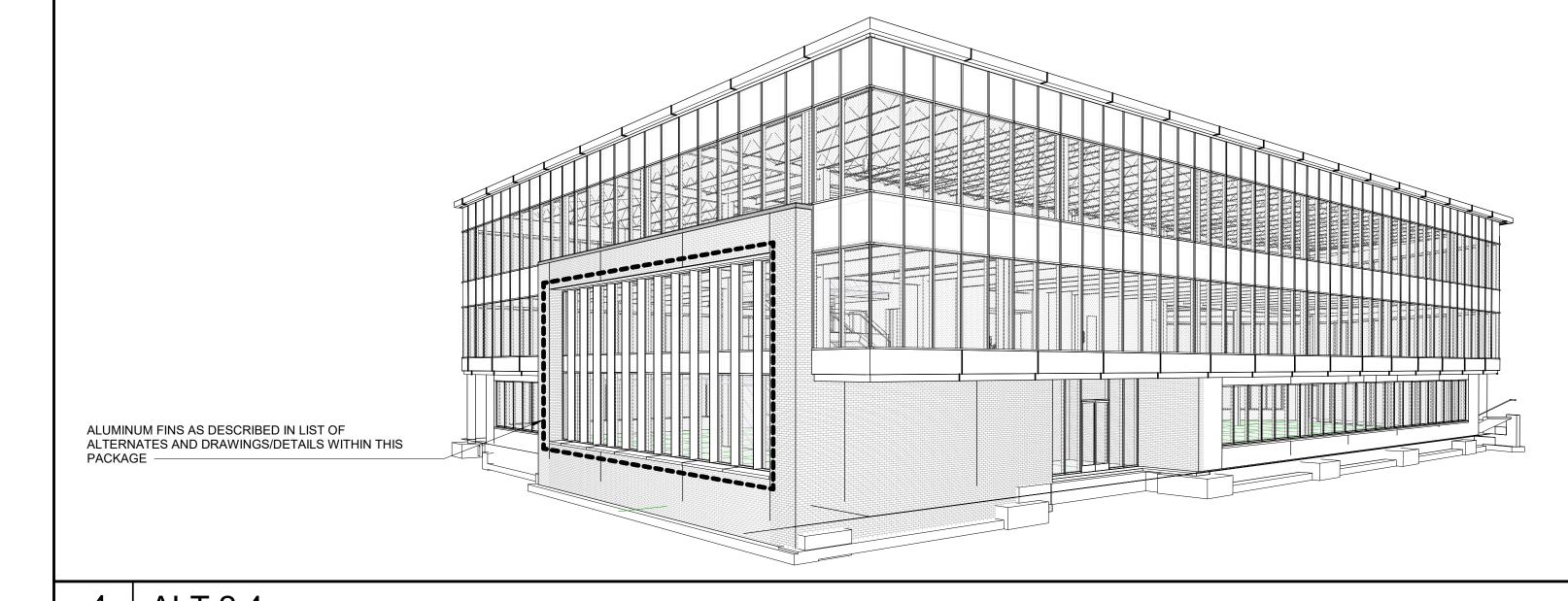
- LOCATION: NORTH ELEVATION BRICK 'FEATURE' AT LEVELS 1 & 2 <u>ONLY</u> (REF. 2/A7.01-alt)
 DESCRIPTION: REF. 4/A5.01-alt. ALTERNATIVE GLASS LENGTHS AND CONNECTION METHODS MAY BE PRESENTED FOR CONSIDERATION IF THEY PRODUCE A MORE COST-EFFECTIVE WAY TO ACHIEVE DESIGN INTENT. ATTACH TO AND REINFORCE MULLION AS REQUIRED BY MANUFACTURER'S ENGINEERING AND TO NOT VOID MANUFACTURER'S WARRANTY

2.3: ALUMINUM FINS

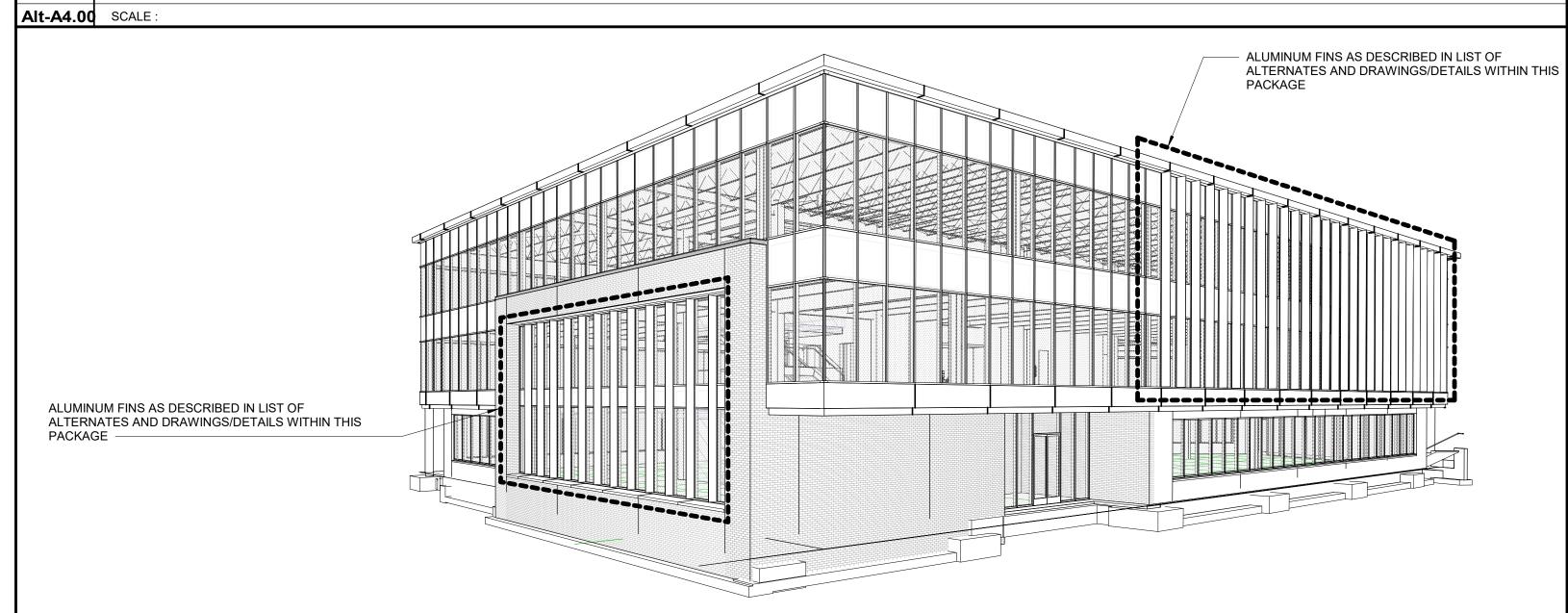
- LOCATION: AT WEST ELEVATION FROM GRIDLINES 3 TO 7 AT LEVELS 2 & 3 AND NORTH ELEVATION BRICK 'FEATURE' AT LEVELS 1 & 2 (REF. 3/A7.01-alt)
- DESCRIPTION: REF 1-2/A5.01-alt. ALUMINUM SUNSHADE FIN, EFCO 6872 & 6324 OR APPROVED EQUAL. ATTACH TO AND REINFORCE MULLION AS REQUIRED BY MANUFACTURER'S ENGINEERING AND TO NOT VOID MANUFACTURER'S WARRANTY

2.4: ALUMINUM FINS

- LOCATION: AT NORTH ELEVATION BRICK 'FEATURE' AT LEVELS 1 & 2 ONLY (REF. 4/A7.01-alt)
 DESCRIPTION: REF 1-2/A5.01-alt. ALUMINUM SUNSHADE FIN, EFCO 6872 & 6324 OR APPROVED EQUAL. ATTACH TO AND REINFORCE MULLION AS REQUIRED BY MANUFACTURER'S ENGINEERING AND TO NOT VOID MANUFACTURER'S WARRANTY

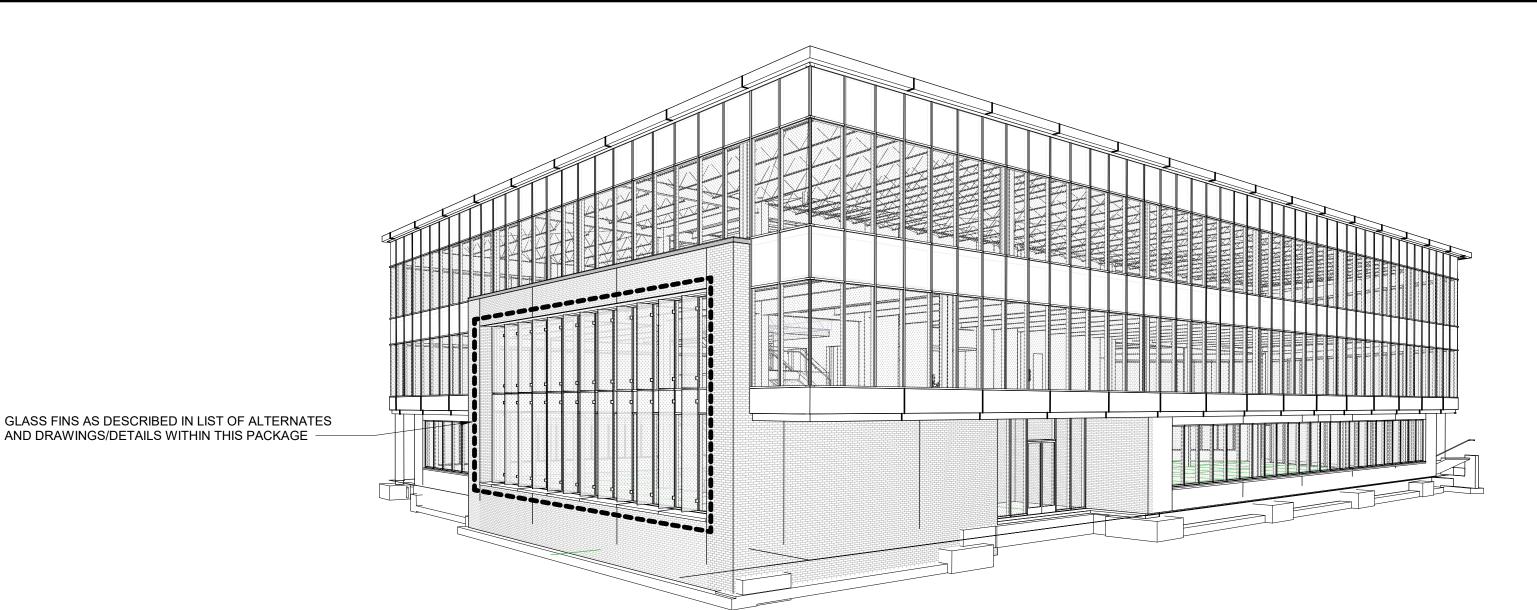


ALT 2.4



ALT 2.3

Alt-A4.00 SCALE:



GLASS FIN MULLION ATTACHMENT

ALUMINUM MULLION

BY MANUFACTURER'S

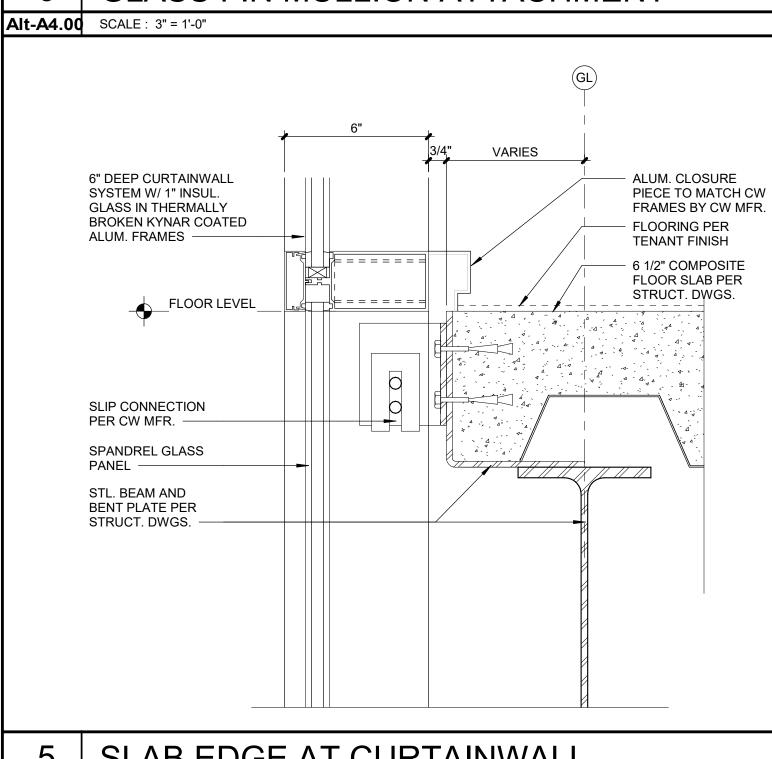
LAMINATED GLASS FIN

REINFORCE MULLION AS REQUIRED

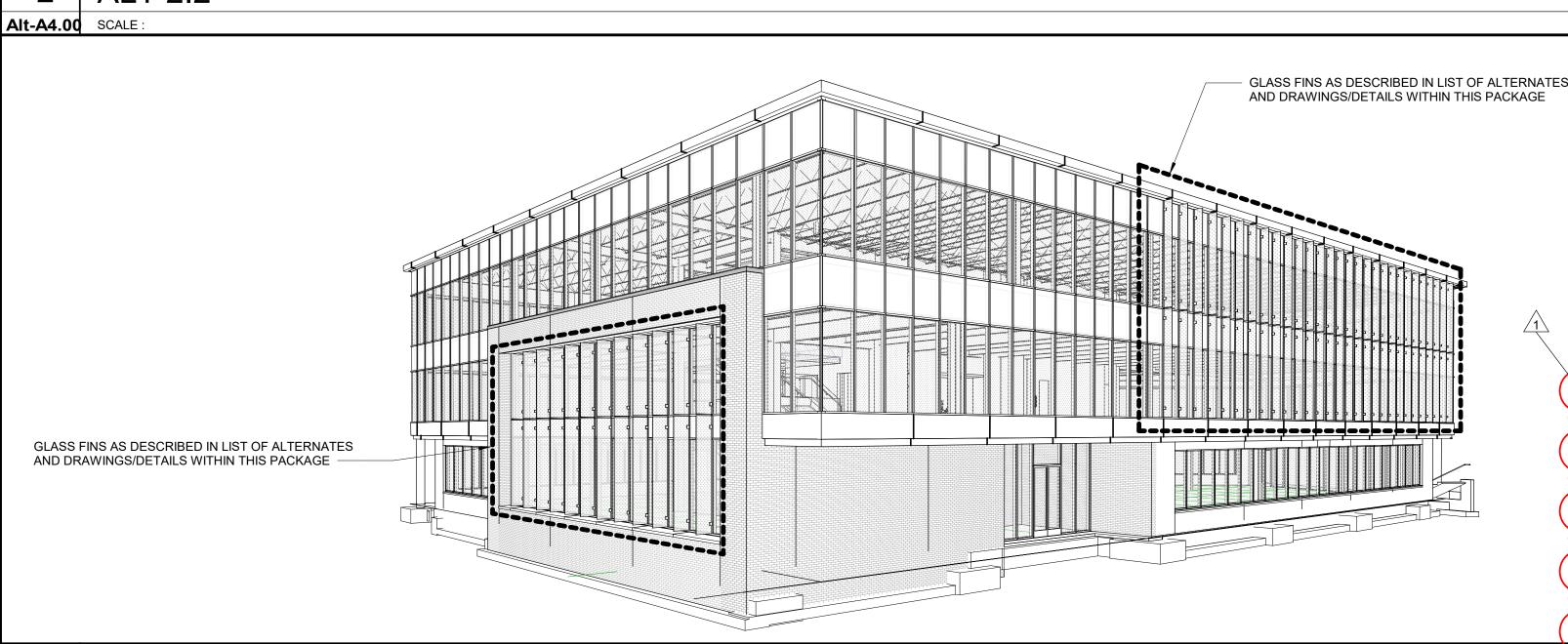
MANUFACTURER TO PROPOSE

ARCHITECT/OWNER APPROVAL

CONNECTION DETAIL FOR



ALT 2.2



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05.30.2018 Issued For: CORE/SHELL BID SET

REGISTRATION

CONTRACTOR



PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING

YOUNG + DRING FOUNDATIONS PMA ENGINEERING PMA ENGINEERING

PKMR ENGINEERS PKMR ENGINEERS **MECHANICAL**

> PKMR ENGINEERS MW BUILDERS

VAN TRUST DEVELOPER REAL ESTATE, LLC

FINKLE + WILLIAMS ARCHITECTURE

7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE **ALTERNATES -**

DESCRIPTION & DETAILS

Alt-A4.00

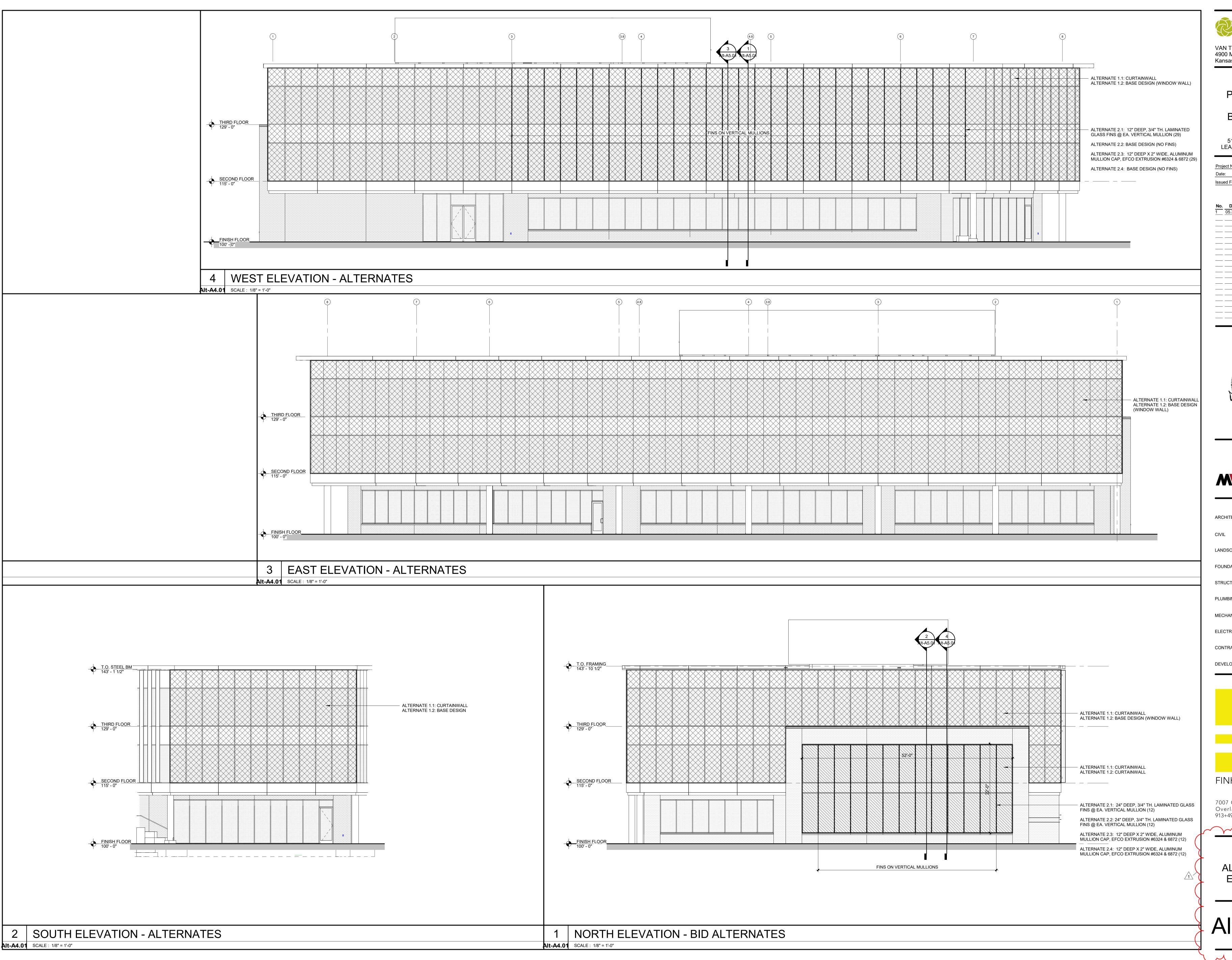
SHEET NUMBER

SLAB EDGE AT CURTAINWALL

Alt-A4.00 SCALE: 3" = 1'-0"

ALT 2.1

Alt-A4.00 SCALE:





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REGISTRATION





PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE

PHELPS **ENGINEERING**

YOUNG + DRING

FOUNDATIONS PMA ENGINEERING

PMA ENGINEERING

PKMR ENGINEERS

MW BUILDERS

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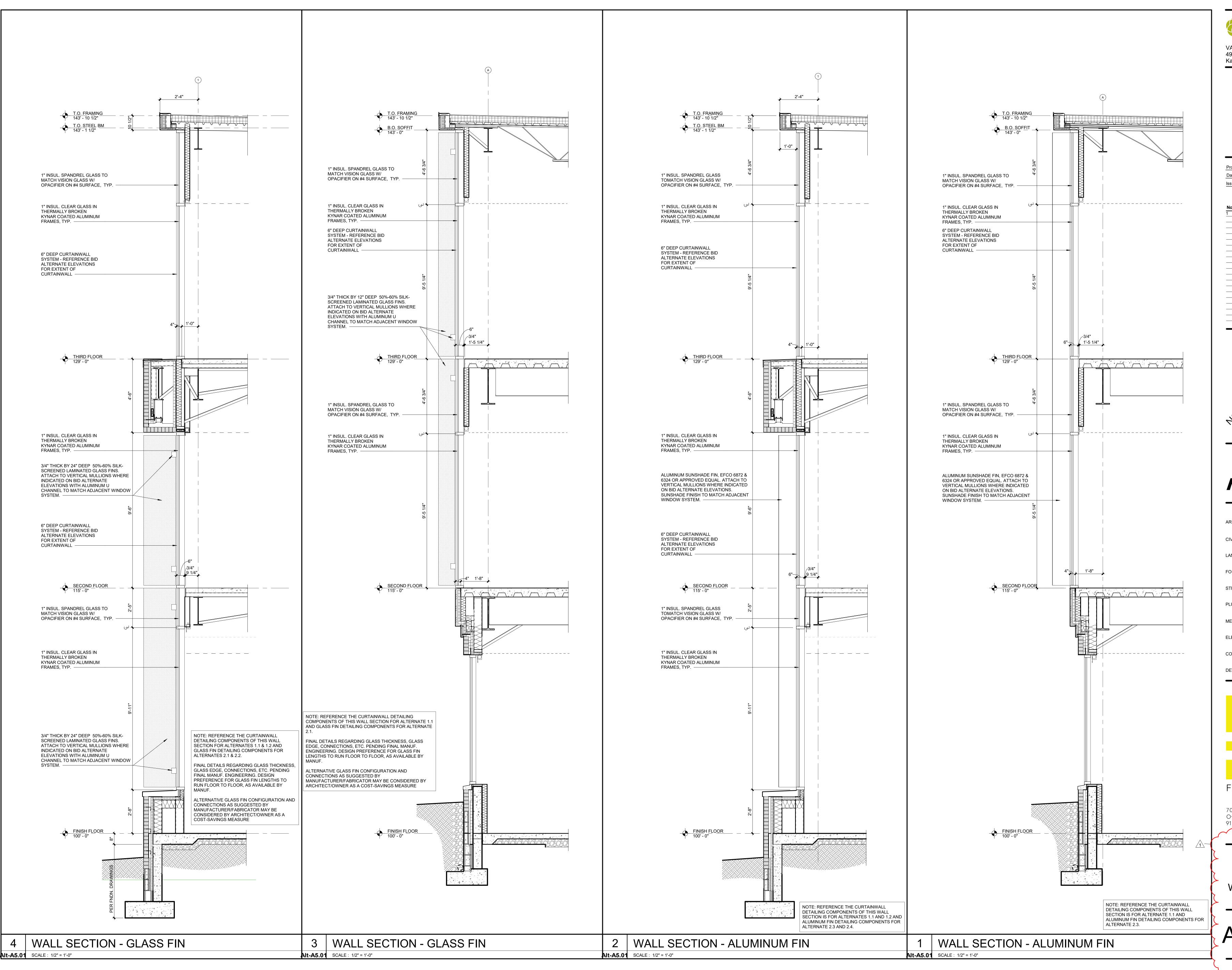
ARCHITECTURE

SHEET TITLE

BID ALTERNATES -**ELEVATIONS**

SHEET NUMBER

Alt-A4.01





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PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 05.30.2018

Issued For: CORE/SHELL BID SET REVISIONS

Description

____ ____ REGISTRATION

CONTRACTOR

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS **ENGINEERING** YOUNG + DRING LANDSCAPE FOUNDATIONS PMA ENGINEERING PMA ENGINEERING STRUCTURAL

PLUMBING PKMR ENGINEERS MECHANICAL PKMR ENGINEERS ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS DEVELOPER REAL ESTATE, LLC

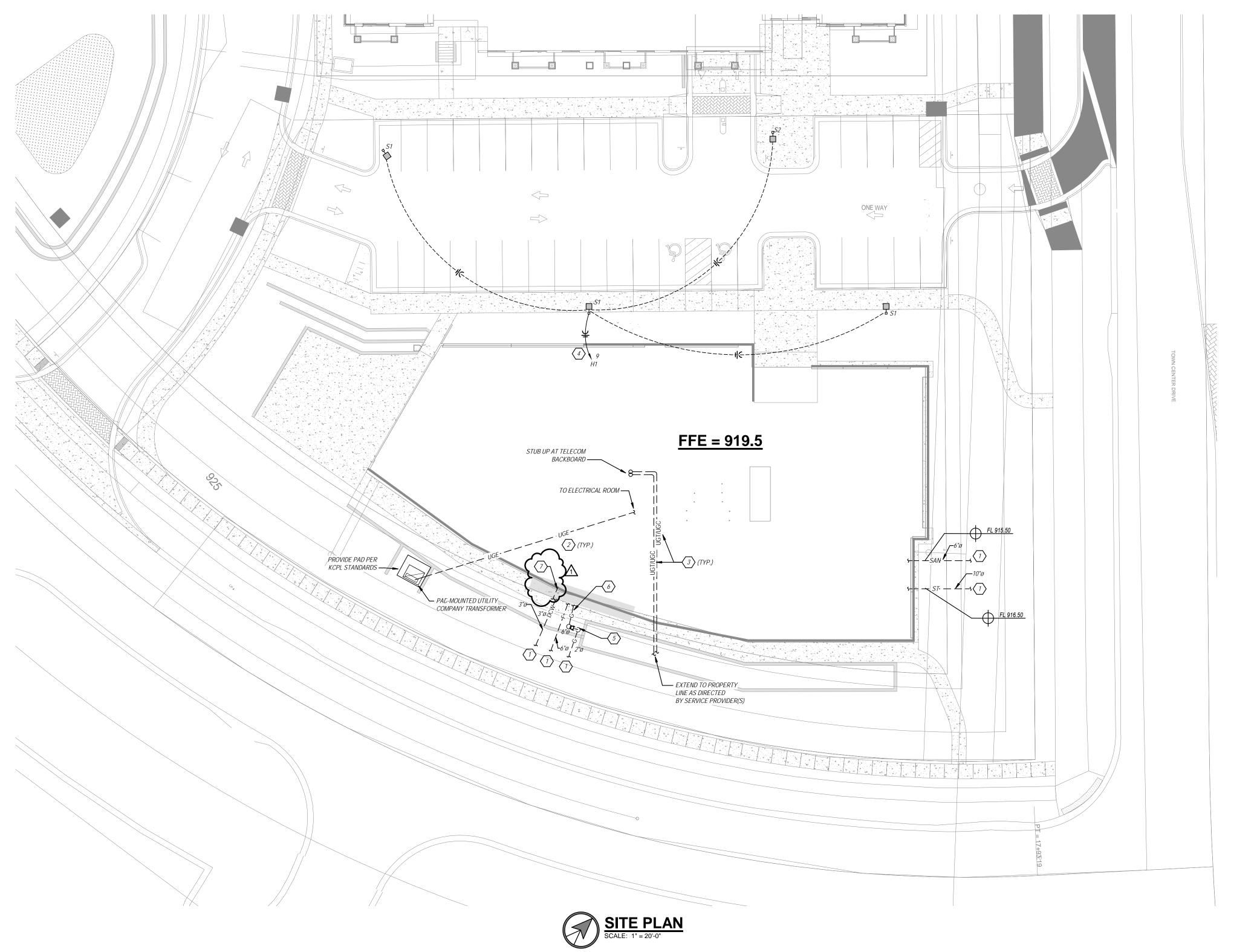
FINKLE + WILLIAMS

7007 College Blvd, Suite 415 Overland Park, Kansas 66211 913+498-1550

SHEET TITLE BID **ALTERNATES -**

WALL SECTIONS SHEET NUMBER

Alt-A5.01



GENERAL SITE NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK. REQUIREMENTS OF WORK.

2. REFER TO CIVIL PLANS FOR CONTINUATION OF SERVICES BEYOND 5-0" FROM BUILDING UNLESS OTHERWISE SHOWN.

3. REFER TO RESPECTIVE FLOOR PLANS FOR CONTINUATION OF SERVICES INSIDE BUILDING AND/OR EXACT LOCATIONS OF EQUIPMENT.

4. CONTACT UTILITY LOCATING SERVICE TO LOCATE EXACT LOCATION OF ALL EXISTING UTILITIES BELOW GRADE.

KEYED NOTES - SITE PLAN

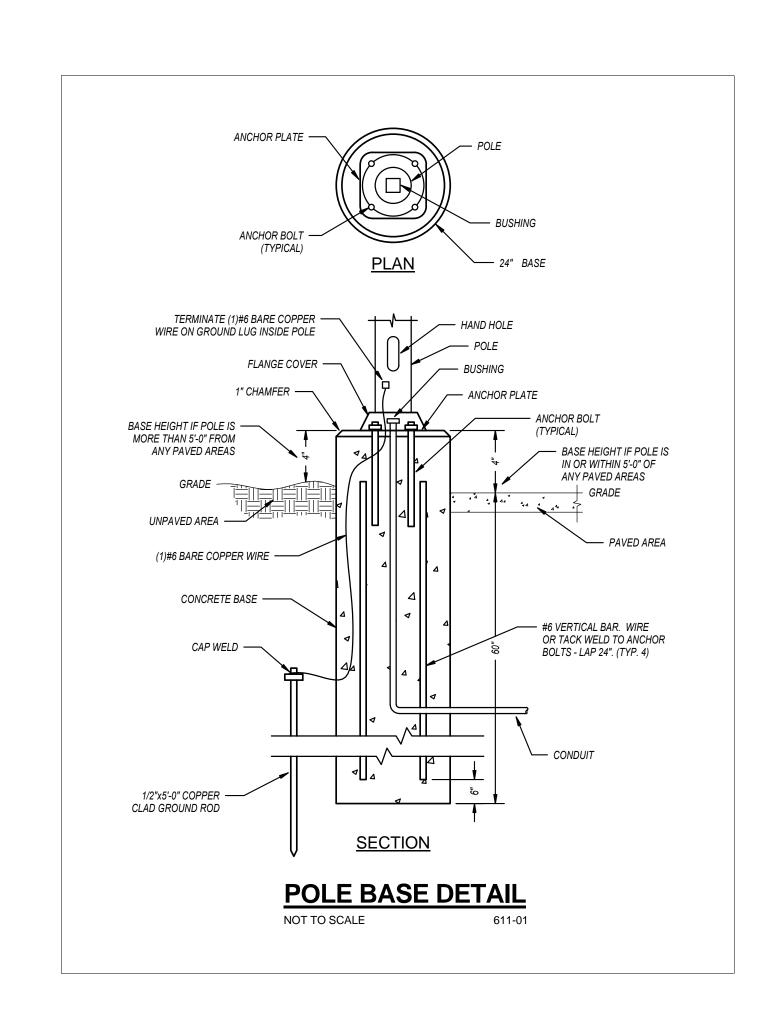
1 REFER TO CIVIL PLANS FOR CONTINUATION.

2) REFER TO RISER DIAGRAM FOR NUMBER/SIZE OF WIRE AND/OR CONDUIT REQUIRED. 3) TWO (2) 3" CONDUITS FOR TELECOMMUNICATIONS SERVICE ENTRANCE CABLING (BY OTHERS). FURNISH CONDUITS WITH PULLSTRINGS AND BUSHED

4 ROUTE THROUGH REMOTE CONTROL SWITCH RCS-1, THEN HOMERUN. 5 GAS METER/REGULATOR BY UTILITY SET TO 2 PSI. TOTAL CONNECTED GAS LOAD IS +/- 2,400 MBH WITH A TOTAL DEVELOPED LENGTH OF 300'.

6 ROUTE GAS RIPING BELOW SIDEWALK IN VENTED SEEEVE.

7 1-1/2" WATER LINE TO IRRIGATION SYSTEM. COORDINATE WITH IRRIGATION CONTRACTOR FOR FLOW AND DISTRIBUTION PIPING.

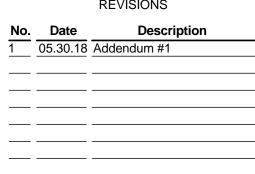


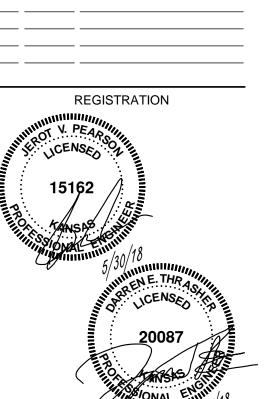


PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.:	17056
Date:	05.22.2018
Issued For:	CORE/SHELL BID SET





MWBuilders

PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE ENGINEERING, INC.

LANDSCAPE

STRUCTURAL PMA ENGINEERING PLUMBING PKMR ENGINEERS

LANDSCAPE

DEVELOPER

MECHANICAL PKMR ENGINEERS PKMR ENGINEERS ELECTRICAL

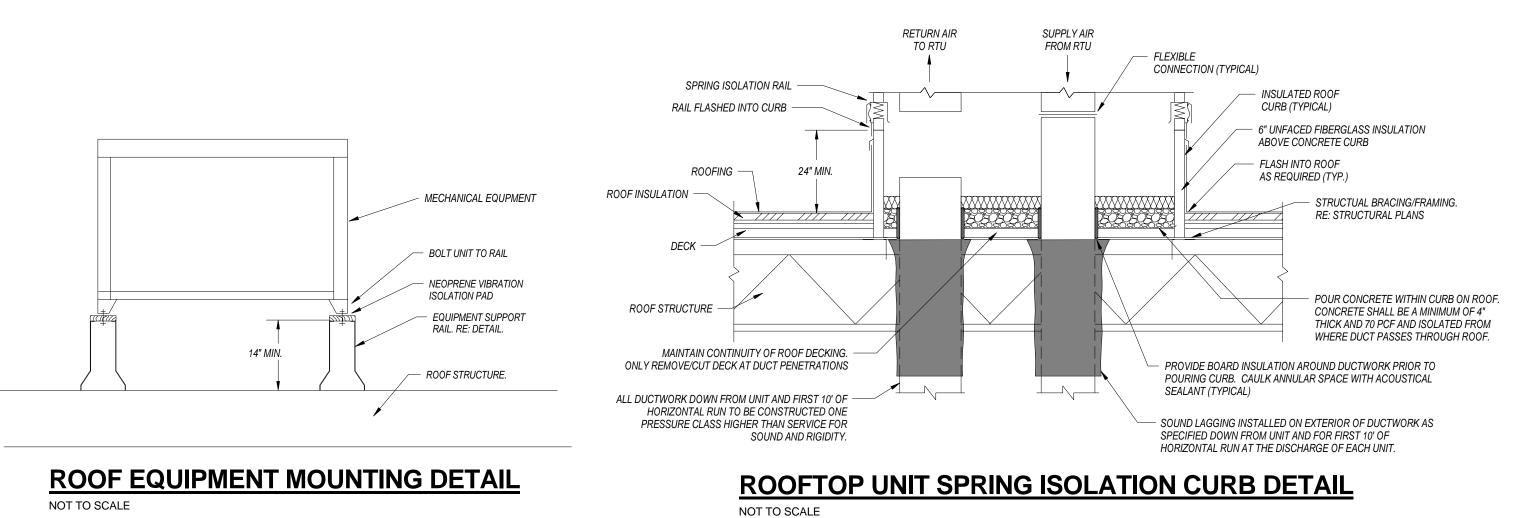
CONTRACTOR MW BUILDERS VAN TRUST REAL ESTATE, LLC

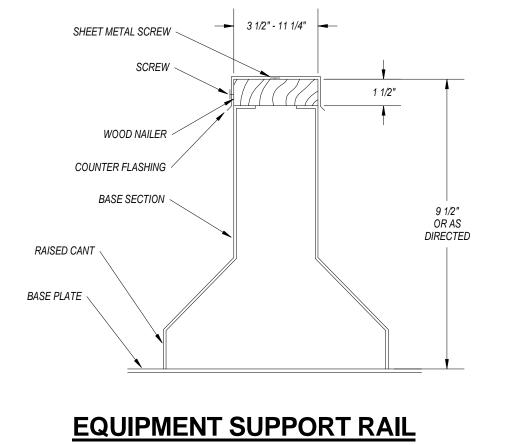


SITE PLAN

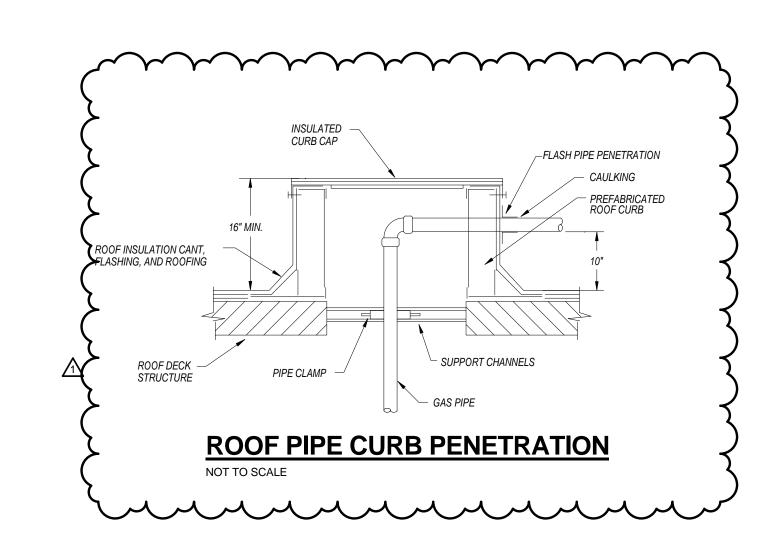
SHEET NUMBER

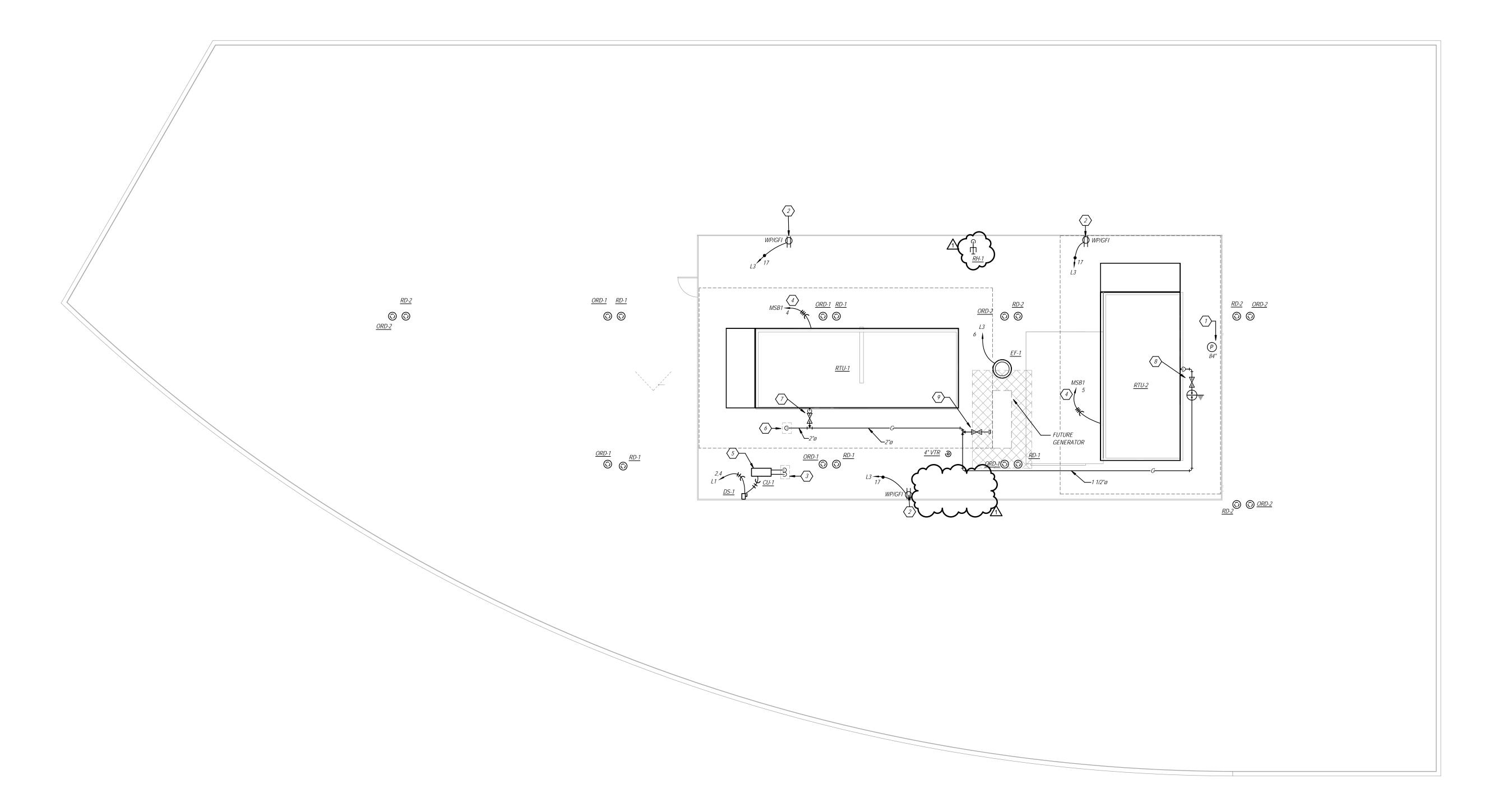
MEP1.01





NOT TO SCALE





GENERAL ROOF PLAN NOTES

REQUIREMENTS OF WORK.

2. MAINTAIN CODE-REQUIRED DISTANCES FOR ALL VENTS, EXHAUSTS, ETC. FROM MECHANICAL EQUIPMENT OUTSIDE AIR INTAKES.

3. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED A MINIMUM OF 36" ABOVE THE ROOF ON SUITABLE STEEL SUPPORTS UNLESS OTHERWISE NOTED.

KEYED NOTES - ROOF PLAN

PHOTOCELL. MOUNT ON SCREEN WALL. REFER TO DETAIL ON SHEET E4.01
FOR CONNECTION TO LIGHTING CONTROLS.

MOUNT RECEPTACLE ON SCREEN WALL STRUCTURE. COORDINATE EXACT LOCATION.

3 ROUTE DOWN THROUGH PIPE PENETRATION CURB,
4 SEE PANEL SCHEDULE FOR WIRE SIZES AND CONDUIT.

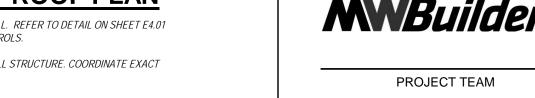
5 SEE MOUNTING DETAIL ON SHEET M3.01.

6 2" GAS DOWN THROUGH ROOF PENETRATION CURB.

7) 1-1/2" GAS TO RTU-1. PROVIDE REGULATOR TO 11" W.C. FOR 800 MBH AND 2" GAS LINE TO RTU-1 CONNETION.

8 1-1/2" GAS TO RTU-2. PROVIDE REGULATOR TO 11" W.C. FOR 800 MBH AND 2" GAS LINE TO RTU-2 CONNETION.

9 1-1/2" GAS VALVE AND CAPPED PIPE FOR FUTURE GENERATOR.



ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

CIVIL PHELPS ENGINEERING, INC.

LANDSCAPE LANDSCAPE

VAN TRUST REAL ESTATE, LLC

PARK PLACE

EAST END

BUILDING 'N'

5100 W. 115TH PLACE

LEAWOOD, KANSAS 66211

05.22.2018

1 05.30.18 Addendum #1

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Kansas City, MO 64112

STRUCTURAL PMA ENGINEERING
PLUMBING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS

ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS

DEVELOPER

VAN TRUST REAL ESTATE, LLC

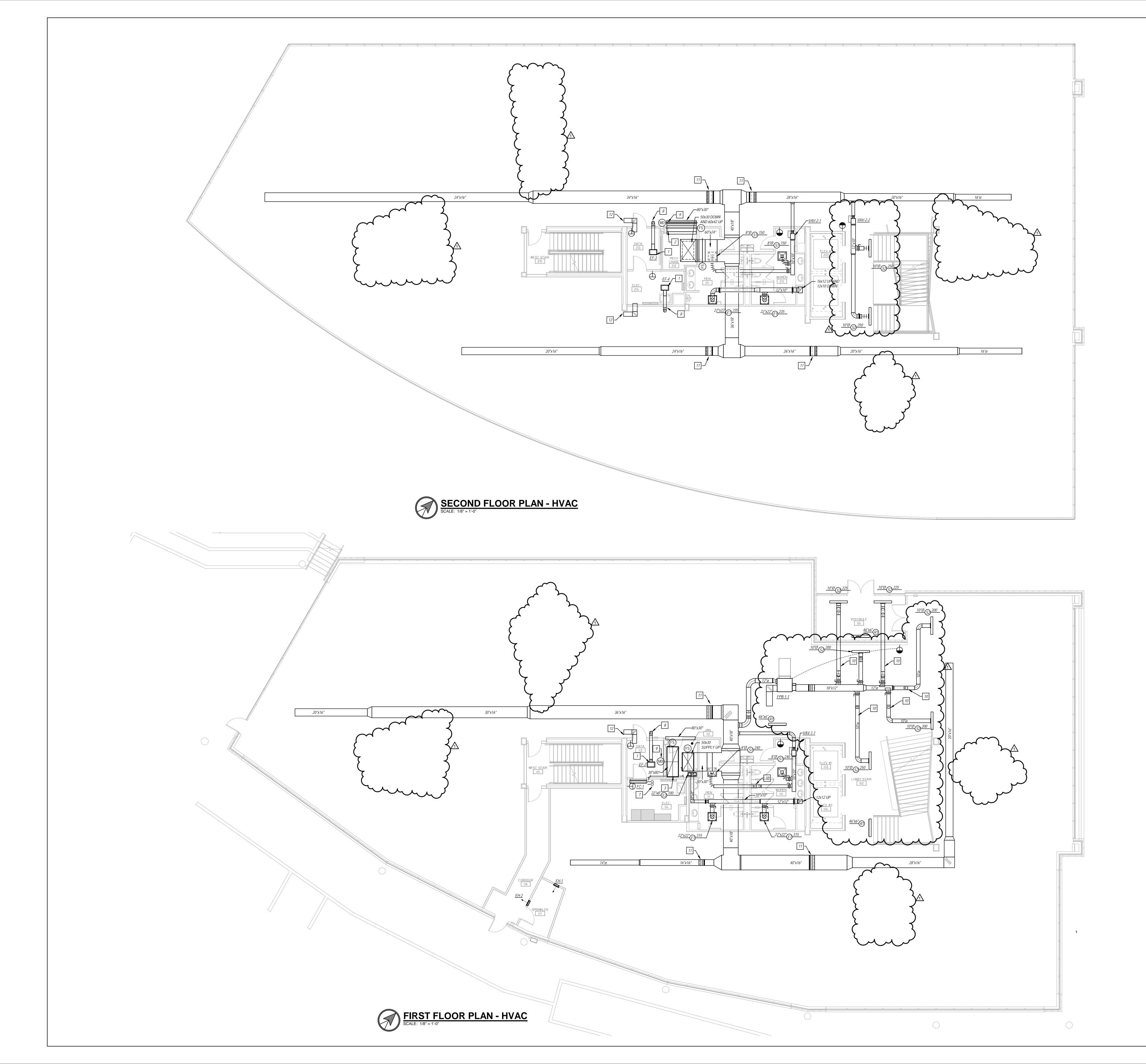


SHEET TITLE

ROOF PLAN

MEP2.01

MEP PLAN - ROOF
SCALE: 1/8" = 1'-0"



GENERAL HVAC NOTES

- REQUIREMENTS OF WORK. 2. ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE. 3. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5-0".
- 4. ALL RUNOUTS TO TERMINAL BOXES SHALL BE ONE SIZE LARGER THAN BOX INLETS UNLESS NOTED OTHERWISE.
- 5. ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOCKABLE VOLUME CONTROL 6. ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH
- TURNING VANES.

 7. DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.

 8. PROVIDE ACCESS DOORS IN DUCTS AHEAD OF ALL AUTOMATIC, FIRE, AND
- 9. FOR BALANCING THE OUTSIDE AIRFLOW QUANTITIES, REFER TO HVAC SCHEDULES.

KEYED NOTES - HVAC PLAN

1 CABINET FAN SUSPENDED FROM STRUCTURE, TIED TO LINE VOTAGE THERMOSTAT.

2 RETURN TRANSFER OPENING WITH FIRE SMOKE DAMPER AT SHAFT WALL. 3 RETURN TRANSFER OPENING AT BOTTOM OF SHAFT. PROVIDE FIRE SMOKE DAMPER AT RATED FLOOR.

4 42x60 SUPPLY AND 40x80 RETURN UP TO RTU-1. CONTRACTOR SHALL FIELD CUT OPENINGS INTO CURBS.

5 62x80 SUPPLY AND (2) 46x20 RETURN UP TO RTU-1. CONTRACTOR SHALL FIELD CUT OPENINGS INTO CURBS.

6 VERTICAL DUCTWORK AND HORIZONTAL DUCT WITHIN 15' OF UNIT SHALL BE 18 GAUGE SHEET METAL AND WRAPPED WITH SOUND LAGGING TO PREVENT SOUND TRASFER.

7 ROUTE REFRIGERANT PIPING UP TO ASSOCIATED CONDENSING UNIT ON ROOF. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PIPE SIZING BASED ON SYSTEM LOAD TO STATE OF THE ST TO FLOOR DRAIN IN JANITOR'S CLOSET.

8 8" EXHAUST DUCT TURNED UP FOR ACCOUSTICS.

10 OFFSET DUCTWORK UP INTO STRUCTURE



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PARK PLACE

EAST END BUILDING 'N'

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REGISTRATION



CONTRACTOR

MWBuilders

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING, INC. LANDSCAPE STRUCTURAL PMA ENGINEERING PKMR ENGINEERS

> MECHANICAL PKMR ENGINEERS

VAN TRUST REAL ESTATE, LLC

DEVELOPER

PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC
13300 W 98TH STREET LENEXA, KS 66215
913.492.2400 WWW.PKMRENG.COM

SHEET TITLE HVAC PLAN -FIRST & SECOND FLOOR PLANS

SHEET NUMBER

M1.11

GENERAL HVAC NOTES

- REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
 ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
- 3. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5-0". 4. ALL RUNOUTS TO TERMINAL BOXES SHALL BE ONE SIZE LARGER THAN BOX
- INLETS UNLESS NOTED OTHERWISE. 5. ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOCKABLE VOLUME CONTROL
- 6. ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH TURNING VANES. 7. DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.
- 8. PROVIDE ACCESS DOORS IN DUCTS AHEAD OF ALL AUTOMATIC, FIRE, AND SMOKE DAMPERS.

 9. FOR BALANCING THE OUTSIDE AIRFLOW QUANTITIES, REFER TO HVAC

KEYED NOTES - HVAC PLAN

1 CABINET FAN SUSPENDED FROM STRUCTURE, TIED TO LINE VOTAGE THERMOSTAT.

2 RETURN TRANSFER OPENING WITH FIRE SMOKE DAMPER AT SHAFT WALL. 3 RETURN TRANSFER OPENING AT BOTTOM OF SHAFT. PROVIDE FIRE SMOKE DAMPER AT RATED FLOOR.

4 42x60 SUPPLY AND 40x80 RETURN UP TO RTU-1. CONTRACTOR SHALL FIELD CUT OPENINGS INTO CURBS.

5 62x80 SUPPLY AND (2) 46x20 RETURN UP TO RTU-1. CONTRACTOR SHALL FIELD CUT OPENINGS INTO CURBS.

6 VERTICAL DUCTWORK AND HORIZONTAL DUCT WITHIN 15' OF UNIT SHALL BE 18 GAUGE SHEET METAL AND WRAPPED WITH SOUND LAGGING TO PREVENT

7 ROUTE REFRIGERANT PIPING UP TO ASSOCIATED CONDENSING UNIT ON ROOF. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS FOR PIPE SIZING BASED ON SYSTEM LOAD AND PIPE LENGTHS. ROUTE CONDENSATE TO FLOOR DRAIN IN JANITOR'S CLOSET.

8 8" EXHAUST DUCT TURNED UP FOR ACCOUSTICS.

9 MOUNT MOTORIZED DAMPER OUSTIDE SHAFT.

SOUND TRASFER.

10 OFFSET DUCTWORK UP INTO STRUCTURE 11 OFFSET DUCTWORK UP TIGHT TO STRUCTURE

12 12x12 TRANSFER BOOT INSTALLED TIGHT TO STRUCTURE.



VAN TRUST REAL ESTATE, LLC

4900 Main St., Suite 400

BUILDING 'N'

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Date: 05.22.2018 Issued For: CORE/SHELL BID SET REVISIONS

Description 1 05.30.18 Addendum #1 ____ ____ ____ ____

REGISTRATION



CONTRACTOR

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING, INC. LANDSCAPE STRUCTURAL PMA ENGINEERING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS

VAN TRUST REAL ESTATE, LLC DEVELOPER

PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC
13300 W 98TH STREET LENEXA, KS 66215
913.492.2400 WWW.PKMRENG.COM

SHEET TITLE

HVAC PLAN -THIRD FLOOR PLAN

SHEET NUMBER M1.21

THIRD FLOOR PLAN - HVAC

SCALE: 1/8" = 1'-0"

	DUC	eT .			INSULATION		NOTEC
PURPOSE	DUTY	LOCATION	STYLE	MATERIAL	APPLICATION	THICKNESS	NOTES
		CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1"	
	MEDIUM DDECCUDE / VELOCITY	CONCEALED	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	
	MEDIUM PRESSURE / VELOCITY	EXPOSED	RECTANGULAR	FIBERGLASS	LINED	1"	
CLIDDLY		EXPOSED	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	
SUPPLY		CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	
	LOW PRESSURE / VELOCITY	CONCEALED	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	
	LOW PRESSURE / VELOCITY	EXPOSED	RECTANGULAR	FIBERGLASS	LINED	1/2"	
		EXPOSED	ROUND	<i>FIBERGLASS</i>	LINED	1/2"	
		CONCEALED	RECTANGULAR	<i>FIBERGLASS</i>	LINED	1/2"	
		CONCEALED	ROUND	MINERAL FIBER	WRAPPED	1-1/2"	
RETURN	LOW PRESSURE / VELOCITY	EXPOSED	RECTANGULAR	<i>FIBERGLASS</i>	LINED	1/2"	
		EXPOSED	ROUND	FIBERGLASS	LINED	1/2"	
		RETURN/TRANSFER BOOTS	RECTANGULAR	FIBERGLASS	LINED	1/2"	
		CONCEALED	RECTANGULAR	FIBERGLASS	LINED	1/2"	
EXHAUST	LOW PRESSURE / VELOCITY	CONCEALED	ROUND	FIBERGLASS	LINED	1/2"	2
EXHAUST	LOW PRESSURE / VELOCITY	EXPOSED	RECTANGULAR	<i>FIBERGLASS</i>	LINED 1/2"		
		EXPOSED	ROUND	<i>FIBERGLASS</i>	LINED	1/2"	2
IPPLY AND RE	TURN DUCTS FROM UNITS > 4,000 CFM	CONCEALED	ALL	SOUND LAGGING WR	PAP (REFER TO SPECI	FICATIONS)	1,3

1. IN ADDITION TO OTHER SCHEDULED INSULATION.

2. PROVIDE LINER ONLY WITHIN 10' OF FAN FOR ACCOUSTICS.

3. INSTALL FROM UNIT DISCHARGE TO FIRST DUCT ELBOW, THEN 10' FURTHER. NOT REQUIRED INSIDE CHASES OR MECHANICAL ROOMS,

GENERAL REMARKS (APPLICABLE TO ALL TYPES):

1) ALL DUCTWORK, INSULATION AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.

2) ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2010 REQUIREMENTS AT A MINIMUM. 3) REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION FOR INSULATION PRODUCTS AND SYSTEMS.

BUT SHALL BE INSTALLED ON REMAINING DUCTWORK WHEN 10' DIMENSION FALLS OUTSIDE ROOM.

ROOFTOP UNIT SCHEDULE (GAS HEAT) $\frac{\text{PLAN}}{\text{MARK}} \ \frac{\text{PLAN}}{\text{MANUFACTURER}} \ \frac{\text{FLAN}}{\text{CFM}} \ \frac{\text{O.A.}}{\text{CFM}} \ \frac{\text{E.S.P.}}{\text{(IN.)}} \ \frac{\text{BHP}}{\text{BHP}} \ \frac{\text{HP}}{\text{MP}} \ \frac{\text{E.S.P.}}{\text{(IN.)}} \ \frac{\text{BHP}}{\text{BHP}} \ \frac{\text{HP}}{\text{HP}} \ \frac{\text{NOMINAL}}{\text{NOMINAL}} \ \frac{\text{TOTAL}}{\text{TOTAL}} \ \frac{\text{SENSIBLE}}{\text{SENSIBLE}} \ \frac{\text{TEMP.}}{\text{IERR}} \ \frac{\text{E.A.TEMP.}}{\text{IERR}} \ \frac{\text{E.A.TEMP.}}{\text{IERR}} \ \frac{\text{E.A.TEMP.}}{\text{IERR}} \ \frac{\text{COL OUTPUT}}{\text{O.0.0000 Biu/h}} \ \frac{\text{TU-1}}{\text{O.0.0000 Biu/h}} \ \frac{\text{EAT}}{\text{I.0.0000}} \ \frac{\text{E.S.P.}}{\text{I.0.0000 Biu/h}} \ \frac{\text{PH}}{\text{I.0.0000 Biu/h}} \ \frac{\text{E.A.TEMP.}}{\text{I.0.0000 Biu/h}} \ \frac{\text{I.0.0000 Biu/h}}}{\text{I.0.0000 Biu$ 1 FURNISH WITH UNTEGRAL SINGLE-POINT ELECTRICAL DISCONNECT AND CONTROLLER TO TIE INTO BUILDING DDC SYSTEM.
2 FURNISH WITH 14" PERFORATED PLENUM CURB WITH SOLID BASE AND VIBRATION ISOLATION RAIL. MECHANICAL CONTRACTOR SHALL FIELD CUT SUPPLY AND RETURN OPENINGS IN THE CURB UNIT. PROVIDE VARIABLE SPEED COMPRESSORS AND MODULATING GAS HEAT WITH HOT GAS BYPASS. PROVIDE 2" MERV 8 PRE-FILTERS AND 4" MERV 13 FINAL FILTERS, AIRFLOW MONITORING STATION AND STAINLESS STEEL DRAIN PAN. 5 PROVIDE ECONOMIZER INTERLOCKED WITH 100% POWERED EXHAUST. 6 PROVIDE VFD ON SUPPLY AND EXHAUST FANS FOR VAV OPERATION. ALL NECESSARY MOTOR STARTED SHALL BE FACOTRY INSTALLED AND WIRED. COORDINATE WITH FIRE ALARM CONTRACTOR TO INSTALL DUCT DETECTORS IN RETURN AND DUCT TO SHUT DOWN UNIT UPON DETECTION OF SMOKE. 8 PROVIDE PRICING FOR RN-105, PER ALTERNATE #3.

VAV BOX SCHEDULE - NO HEAT

	PLAN MARK	MANUEACTORER	MODEL	LUNERY	INLET	AR ELOW	MIN AIR FLOV	STATIC F	PRESSURE	REMARKS	7	PLAN MARK	MANUFACTURER	MODEL	UNIT SIZE	LINE
	VAV-1-1	TITUS	DESV	1/2" FIBERGLASS	6"	480	150	1.00	0.50	1,2,3,4		FPB-1-1	TITUS	DTQP	3	1/2" FIBER
	VAV-2-1	TITUS	DESV	1/2" FIBERGLASS	6"	300	90	1.00	0.50	1,2,3,4) \		$\mathcal{M}_{\mathcal{M}}$	\mathcal{N}	スプ	スプ
۱	VAV-2-2	TITUS	DESV	1/2" FIBERGLASS	6"	500	150	1.00	0.50	1,2,3,4		REMARKS.				
	VAV-3-1	TITUS	DESV	1/2" FIBERGLASS	6"	300	90	1.00	0.50	1,2,3,4	l		PEND UNIT FROM STRUCTU			GING RODS AI
	VAV-3-2	TITUS	DESV	1/2" FIBERGLASS	6"	500	90	1.00	0.50	1,2,3,4	1		/IDE FILTER FRAME WITH 1			
		\mathcal{A}	$\overline{\mathcal{A}}$	\mathcal{M}	$\overline{\mathcal{A}}$	7 7		/// /	\mathcal{T}	$\overline{\mathcal{A}}$			ALL WITH FLEXIBLE DUCT C		ΓALL CONN	ECTIONS.
	REMARKS											4 <i>PRO</i>	/IDE INTEGRAL DISCONNEC	CT SWITCH.		

- INSTALL FLEXIBLE DUCT CONNECTOR AT INLET. PROVIDE FACTORY INSTALLED CONTROL POWER TRANSFORMER.
- PROVIDE INTEGRAL DISCONNECT SWITCH PROVIDE PRESSURE INDEPENDENT, DDC CONTROL PACKAGE TO MAINTAIN CONSTANT DISCHARGE STATIC PRESSURE.

EL	ECTRIC HI	EATER S	SCHEDULE						
MARK	MANUFACTURER	MODEL	DESCRIPTION	CFM	KW	TEMP. RISE	ELECT VOLTAGE	RICAL PHASE	REMARKS
EH-1	QMARK	AWH4307	WALL HEATER	100	3.0	95 °F	277	1	1,2
EH-2	<i>QMARK</i>	AWH4507	WALL HEATER	100	4.8	152 °F	277	1	1,2

1 PROVIDE WITH INTEGRAL THERMOSTAT AND DISCONNECT. P. INSTALL WITH CLEARANCES PER MANUFACTURE'S RECOMMENDATIONS.

INSTALL ON PATE RAILING SYSTEM.

MI	NI SPLIT	FAN C	OIL SCHED	ULE					
$^{\prime}$				AIRFLOW	COOLING	ELI	ECTRICAL		
MARK	MANUFACTURER	MODEL	DESCRIPTION	CFM	CAPACITY	VOLTAGE	PHASE	MCA	REMARK
FC-1	MITSUBISHI	PKA-A24	WALL-MOUNTED UNIT	635	24,000 Btu/h	208	1	1.0	1,2,3,4
REMARKS	<u>, </u>								
1 UNIT	SHALL BE WIRED THROL	JGH ASSOCIATED	OUTDOOR CONDENSING UNIT.						
2 PRO	VIDE WITH WALL-MOUNT	ED THERMOSTAT E	BY UNIT MANUFACTURER.						
3 PRO	VIDE WITH INTEGRAL CO	NDENSATE PUMP.							
4 CAP	ACITIES AND AIRFLOWS A	ARE MANUFACTUR	ER'S VALUES AT RATED CONDI	TIONS, NOT ACT	UAL OPERATING C	ONDITIONS.			

MINI SPLIT CONDENSING UNIT SCHEDULE CONTRACTOR SHALL VERIFY WITH EQUIPMENT SUPPLIER EXACT ROUTING AND SIZE OF INSULATED REFRIGERANT PIPING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

FAN TERMINAL UNIT SCHEDULE (ELECTRIC HEAT / PARALLEL FLOW)

- 4 PROVIDE INTEGRAL DISCONNECT SWITCH.
- 5 PROVIDE FACTORY INSTALLED CONTROL POWER TRANSFORMER (277V/50A).
- 6 PROVIDE PRESSURE INDEPENDENT, DDC CONTROL PACKAGE.

MARK	MANUFACTURER	MODEL	DESCRIPTION	BORDER TYPE	FACE SIZE (IN.)	NECK SIZE	VOLUME DAMPER	MATERIAL	FINISH	REMARKS
SUPPLY										
S1	TITUS	OMNI	SQUARE PLAQUE DIFFUSER	GRID	24x24	AS INDICATED	NO	STEEL	WHITE	1
S2	TITUS	TBDI-30-48-3	PLENUM SLOT DIFFUSER WITH 1" SLOT(S)	GRID	6 x 48	AS INDICATED	YES	STEEL	BLACK	1,3
RETURN										1
R1	TITUS	TBR-30-48-3	PLENUM SLOT DIFFUSER WITH 1" SLOT(S)	GRID	6 x 48	-	NO	STEEL	BLACK	1,3
EXHAUST										
E1_	TITUS	350RL	GRILLE WITH 3/4" SPACING AND 35° DEFLECTION	GRID	24x24	AS INDICATED	NO	STEEL	WHITE	1,4
₹ E2	TITUS	350RL	GRILLE WITH 3/4" SPACING AND 35° DEFLECTION	GRID	24x12	AS INDICATED	NO	STEEL	WHITE	1,2
E3	TITUS	350RL	GRILLE WITH 3/4" SPACING AND 35° DEFLECTION	SURFACE/WALL	NECK SIZE + 2-1/2"	AS INDICATED	NO	STEEL	WHITE	1

2 PROVIDE WITHOUT SCREW HOLES WHERE USED IN GRID CEILING. PROVIDE WITH INSULATED PLENUM.

PROVIDE ROUND NECK ADAPTER WHERE SHOWN WITH ROUND CONNECTION.

		PIPING			FIELD TEST	ALLOWABLE IN	INSULA	TION
SYSTEM	SIZE	MATERIAL	TYPE/SCHED	ACCEPTABLE FITTINGS	PRESSURE/TIME	PLENUMS	TYPE	THICKNES
REFRIGERANT LINES	ALL	Copper	ACR	Brazed		Yes	Fiberglass w/ASJ	1-1/2"
CONDENSATE DRAIN - INTERIOR	1/2"-2"	Copper	L	Solder, Pro-Press	10 FT - 1/2 HR	Yes	Fiberglass w/ASJ	1/2" (Plenum O

ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50. ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2007 REQUIREMENTS AT A MINIMUM. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.

EXI	HAUST F	AN S	CHEDULE										
MARK	MANUFACTURER	MODEL	DESCRIPTION	AREA SERVED		F	AN DATA			ELECTR	ICAL	CONTROLS	REMARKS
IVIAIN	WANDFACTURER	MODEL	DESCRIPTION	AREA SERVED	CFM	E.S.P. (IN.)	HP	DRIVE	RPM	VOLTAGE	PHASE	CONTROLS	KEWAKKS
EF-1	COOK	ACED 150	DOWNBLAST CENTRIFUGAL FAN	RESTROOMS	1,670	0.750	1/2	DIRECT	1500	1200 V	1	BMS	1,2
EF-2	COOK	GC-422	CEILING FAN WITH STEEL GRILLE	DATA 113	250	0.150	86W	DIRECT	1500	120 V	1	THERMOSTAT	1,3
EF-3	COOK	GC-422	CEILING FAN WITH STEEL GRILLE	DATA 215	250	0.150	86W	DIRECT	1500	120 V	1	THERMOSTAT	1,3
EF-4	COOK	GC-422	CEILING FAN WITH STEEL GRILLE	ELEC 213	250	0.150	86W	DIRECT	1500	120 V	1	THERMOSTAT	1,3
EF-5	COOK	GC-422	CEILING FAN WITH STEEL GRILLE	DATA 313	250	0.150	86W	DIRECT	1500	120 V	1	THERMOSTAT	1,3
EF-6	COOK	GC-422	CEILING FAN WITH STEEL GRILLE	ELEC 314	250	0.150	86W	DIRECT	1500	120 V	1	THERMOSTAT	1,3
EF-7	COOK	SQN-D 120	SQUARE INLINE FAN	ELEV SHAFT	600	0.250	1/6	DIRECT	1500	120 V	1	THERMOSTAT	1,3

1 PROVIDE WITH EC MOTOTR AND FACTORY WIRED DISCONNECT. PROVIDE WITH ROOF CURB, MOTORIZED DAMPER AND BIRDSCREEN. 3 PROVIDE WITH LINE VOLTAGE WALL THERMOSTAT TO ENABLE FAN WHEN ROOM EXCEEDS 80 DEGREES (ADJ.), WIRED BY ELECTRICAL CONTRACTOR.

UNIT	ROOM NAME	NET SQ.	PEOPLE /	CFM/	CODE	CFM/	OA	CFM
ONII	ROOM NAME	FT.	1000 SQ. FT.	SQ. FT.	OCCUPANCY	PERSON	REQ'D	PROVIDED
	VESTIBULE	208	10	0.06	3	5	27.5	
	1ST FLOOR ELEV LOBBY	1203	10	0.06	13	5	137.2	
	1ST FLOOR OPEN OFFICE	12100	5	0.06	61	5	1031.0	
RTU-1	1ST FLOOR RESTROOM	380						
K10-1	2ND FLOOR ELEV LOBBY	500	10	0.06	5	5	55.0	
	2ND FLOOR OPEN OFFICE	15500	5	0.06	78	5	1320.0	
	2ND FLOOR RESTROOM	320						
						TOTAL	2571	5100
	3RD FLOOR ELEV LOBBY	500	10	0.06	5	5	55.0	
DTI L2	3RD FLOOR OPEN OFFICE	15500	5	0.06	78	5	1320.0	
1110-2	3RD FLOOR RESTROOM	320						
						TOTAL	1375	2550
	OA CFM REQUIRED	3,946						
	OA CFM SUPPLIED	7,650						
RTU-2	3RD FLOOR RESTROOM OA CFM REQUIRED	320	-					



Kansas City, MO 64112

PARK PLACE

BUILDING 'N'

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

REGISTRATION



CONTRACTOR



PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE ENGINEERING, INC.

LANDSCAPE LANDSCAPE STRUCTURAL PMA ENGINEERING

CIVIL

PLUMBING PKMR ENGINEERS MECHANICAL PKMR ENGINEERS

PKMR ENGINEERS ELECTRICAL CONTRACTOR MW BUILDERS

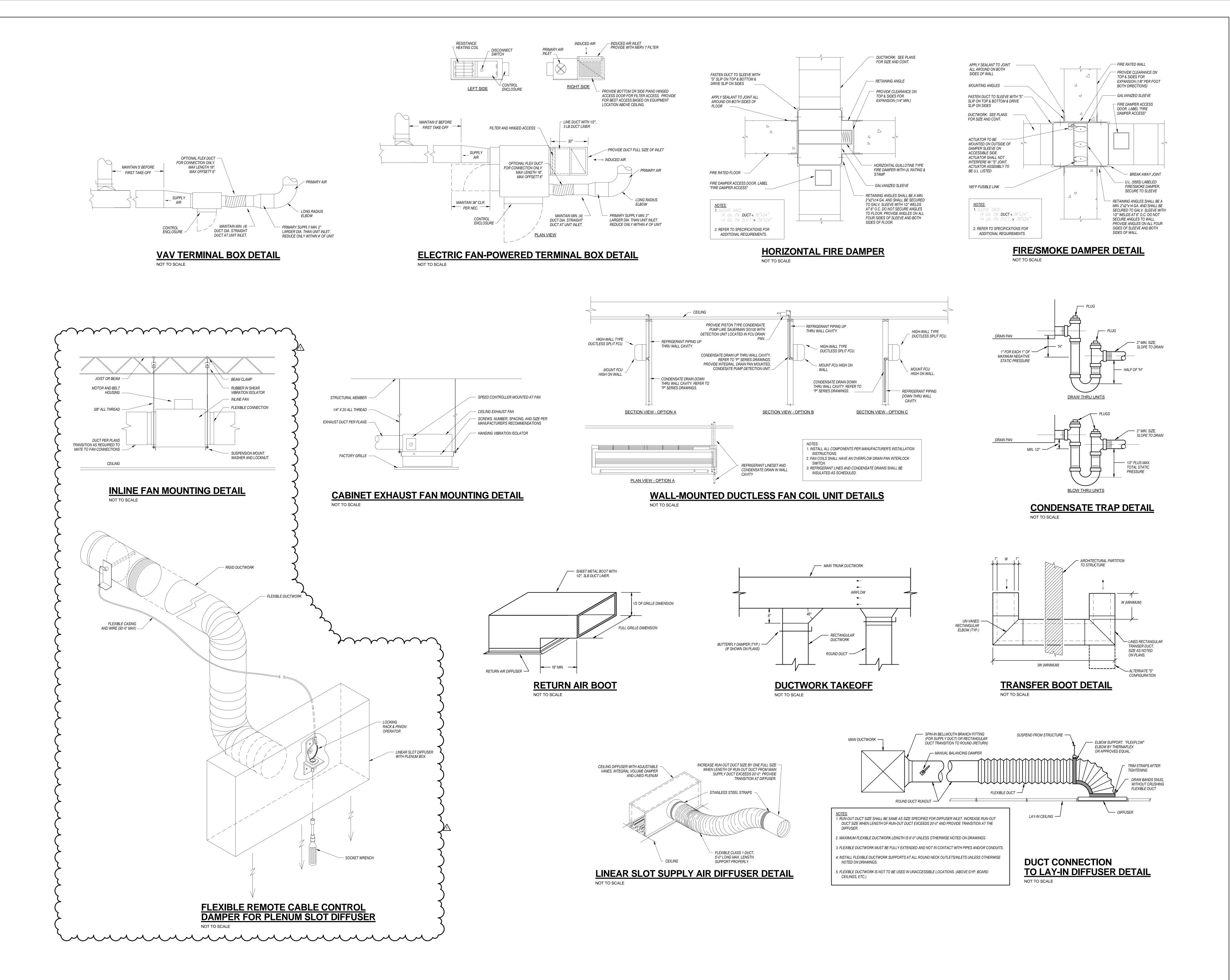
DEVELOPER REAL ESTATE, LLC

VAN TRUST



SHEET TITLE

MECHANICAL SCHEDULES





Kansas City, MO 64112

PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE

LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

Description 05.30.18 Addendum #1

REGISTRATION



CONTRACTOR

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE

ENGINEERING, INC. LANDSCAPE LANDSCAPE STRUCTURAL PMA ENGINEERING

CIVIL

PLUMBING PKMR ENGINEERS MECHANICAL PKMR ENGINEERS

PKMR ENGINEERS ELECTRICAL MW BUILDERS CONTRACTOR

VAN TRUST DEVELOPER REAL ESTATE, LLC



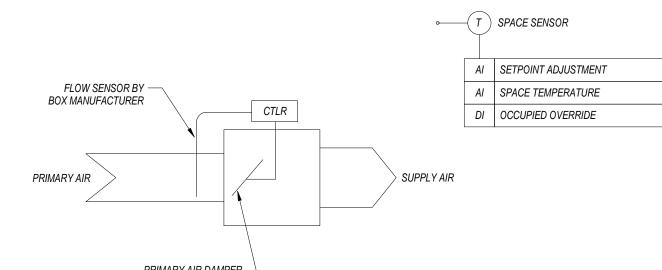
913.492.2400 SHEET TITLE

MECHANICAL DETAILS

M3.01

GENERAL NOTES:

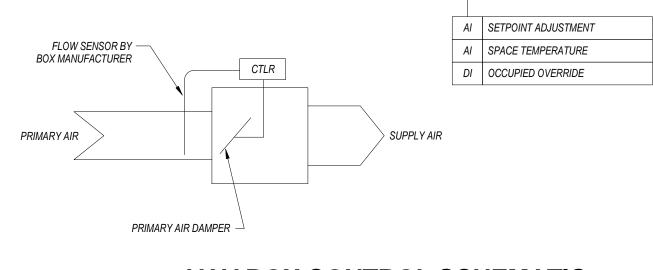
- 1. FURNISH AND INSTALL A COMPLETE DIRECT DIGITAL CONTROL BUILDING AUTOMATION SYSTEM (BAS) TO CONTROL AND MONITOR THE BUILDING MECHANICAL SYSTEMS. THE BUILDING AUTOMATION SYSTEM SHALL BE A WEB BASED OPEN PROTOCOL SYSTEM. NO PROPRIETARY SYSTEMS ALLOWED.
- 2. FURNISH WITH CENTRAL SYSTEM CONTROLLER AND PC WORKSTATION.
- 3. FURNISH AND INSTALL ALL ACCESSORIES INCLUDING BUT NOT LIMITED TO CONTROLLERS, SENSORS, ACTUATORS, RELAYS, CONTROL WIRING, ETC. AS REQUIRED TO PROVIDE THE LEVEL OF MONITORING AND CONTROL NOTED FOR EACH SYSTEM.
- 4. THE USER INTERFACE SHALL INCLUDE BUILDING LEVEL, FLOOR LEVEL, AND EQUIPMENT LEVEL GRAPHIC CONTROL. ALL LEVELS SHALL HAVE DYNAMICALLY UPDATING REAL TIME VALUES WITH LINKS TO ASSOCIATED CONTROL LEVELS. PROVIDE A FLOOR PLAN INDICATING SPACES SERVED BY EACH PIECE OF EQUIPMENT. THE FLOOR PLAN GRAPHIC SHALL INCLUDE ROOM NUMBERS/NAMES, A IDENTIFYING NAME OF EACH PIECE OF EQUIPMENT, AND A READOUT OF THE ZONE TEMPERATURE.
- 5. THE FOLLOWING SYSTEMS SHALL CONNECT TO THE BUILDING AUTOMATION SYSTEM, REFER TO THE ASSOCIATED CONTROL SCHEMATIC AND SEQUENCE OF OPERATION FOR DETAIL: a.ROOFTOP UNITS b.FAN POWERED VAV TERMINALS WITH ELECTRIC HEATING
- c. COOLING ONLY VAV TERMINALS d.EXHAUST FANS e.MINI-SPLIT FAN COIL AND CONDENSING UNITS.
- 5. ZONE THERMOSTATS / TEMPERATURE SENSORS SHALL INCLUDE THE FOLLOWING: b.SETPOINT ADJUSTMENT OF +/- 2 DEGREES (ADJUSTABLE) ABOVE AND +/- 2 DEGREES (ADJUSTABLE) BELOW SETPOINT.



VAV BOX CONTROL SCHEMATIC NOT TO SCALE

AI DISCHARGE TEMPERATURE

- ELECTRIC HEAT



DO START/STOP

AO SCR

WITH ELECTRIC HEAT CONTROL SCHEMATIC

CTLR

FAN POWERED TERMINAL BOX

PRIMARY AIR DAMPER

PRIMARY AIR

FLOW SENSOR BY -

BOX MANUFACTURER

AI SETPOINT ADJUSTMENT

AI SPACE TEMPERATURE

DI OCCUPIED OVERRIDE

SEQUENCE OF OPERATION

SEQUENCE OF OPERATION

FAN POWERED VAV TERMINALS

OCCUPIED/UNOCCUPIED SCHEDULE.

(ADJUSTABLE).

EXHAUST FAN

DAMPER SHALL BE CLOSED.

MANAGEMENT SYSTEM.

SEQUENCE OF OPERATION

OR DAMPER STATUS DOES NOT MATCH THE COMMAND.

THE OCCUPIED/UNOCCUPIED MODE OF OPERATION SHALL BE DETERMINED BY

EXHAUST FAN SHALL HAVE ITS OWN UNIQUE OCCUPIED / UNOCCUPIED MODE OF

UPON ACTIVATION OF OCCUPIED MODE THE DAMPER SHALL OPEN AND THE FAN

THE FAN SHALL ALARM THE BUILDING AUTOMATION SYSTEM IF THE FAN STATUS

SHALL START. DURING UNOCCUPIED MODE THE FAN SHALL BE OFF AND THE

THE TIMECLOCK FUNCTION OF THE BUILDING AUTOMATION SYSTEM. EACH

THE OCCUPIED/UNOCCUPIED MODE OF OPERATION OF EACH VAV TERMINAL BOX SHALL BE

IN OCCUPIED MODE, WHEN THE SPACE TEMPERATURE IS BELOW THE COOLING SET POINT

MODULATE BETWEEN THE MINIMUM AND MAXIMUM POSITION AS REQUIRED TO MAINTAIN THE

DURING THE UNOCCUPIED MODE THE PRIMARY DAMPER SHALL BE CLOSED. THE UNIT SHALL

ASSOCIATED SYSTEM INTO THE OCCUPIED MODE FOR A PERIOD OF 1 HOUR (ADJUSTABLE).

THE SPACE SENSOR SHALL ALLOW ADJUSTMENT OF THE SPACE SETPOINT +/-2 DEGREES

THE PRIMARY AIR DAMPER SHALL BE AT MINIMUM POSITION . WHEN THE SPACE

CYCLE ON AND OFF AS REQUIRED TO MEET NIGHT SETBACK TEMPERATURES.

THE LOCAL SPACE SENSOR SHALL HAVE AN OVERRIDE BUTTON TO ENERGIZE THE

(ADJUSTABLE) ABOVE OR BELOW THE SETPOINT ESTABLISHED IN THE BUILDING

THE OCCUPIED/UNOCCUPIED MODE OF OPERATION OF EACH FAN POWERED TERMINAL

SHALL BE DETERMINED BY THE TIMECLOCK FUNCTION OF THE BUILDING MANAGEMENT

IN OCCUPIED MODE, WHEN THE SPACE TEMPERATURE IS BETWEEN THE COOLING SET

POINT AND THE HEATING SET POINT THE PRIMARY AIR DAMPER SHALL BE AT MINIMUM

AIRFLOW, THE FAN SHALL BE OFF, AND THE ELECTRIC HEAT SHALL BE OFF. WHEN THE SPACE TEMPERATURE RISES ABOVE THE COOLING SETPOINT THE PRIMARY DAMPER

SHALL MODULATE BETWEEN THE MINIMUM AND MAXIMUM POSITION AS REQUIRED TO

THE SPACE TEMPERATURE DROPS BELOW THE HEATING SETPOINT THE PRIMARY

CYCLE ON AND OFF AS REQUIRED TO MEET NIGHT SETBACK TEMPERATURES.

ASSOCIATED SYSTEM INTO THE OCCUPIED MODE FOR A PERIOD OF 1 HOUR

THE LOCAL SPACE SENSOR SHALL HAVE AN OVERRIDE BUTTON TO ENERGIZE THE

MAINTAIN THE COOLING SETPOINT. THE FAN AND ELECTRIC HEAT SHALL BE OFF. WHEN

DAMPER SHALL BE AT MINIMUM POSITION, THE FAN SHALL ENERGIZE, AND THE ELECTRIC HEAT SHALL MODULATE SCR AS REQUIRED TO MAINTAIN THE HEATING SETPOINT.

DURING THE UNOCCUPIED MODE THE UNIT SHALL BE OFF, THE PRIMARY DAMPER SHALL

BE CLOSED, THE FAN SHALL BE OFF AND ELECTRIC HEAT SHALL BE OFF. THE UNIT SHALL

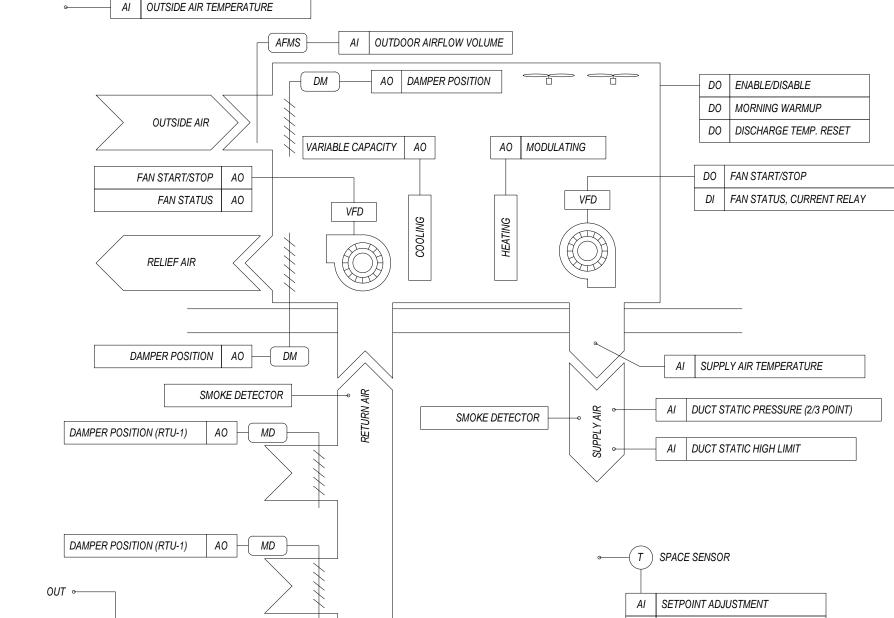
THE SPACE SENSOR SHALL ALLOW ADJUSTMENT OF THE SPACE SETPOINT +/-2 DEGREES (ADJUSTABLE) ABOVE OR BELOW THE SETPOINT ESTABLISHED IN THE BUILDING

SYSTEM. EACH TERMINAL TERMINAL BOX SHALL HAVE ITS OWN UNIQUE

TEMPERATURE RISES ABOVE THE COOLING SETPOINT THE PRIMARY DAMPER SHALL

BOX SHALL HAVE ITS OWN UNIQUE OCCUPIED/UNOCCUPIED SCHEDULE.

DETERMINED BY THE TIMECLOCK FUNCTION OF THE BUILDING MANAGEMENT SYSTEM. EACH



VAV ROOFTOP UNIT CONTROLS SCHEMATIC

SEQUENCE OF OPERATION

NOT TO SCALE

VARIABLE VOLUME PACKAGED ROOFTOP UNIT

THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY. THE FAN VFD'S SHALL MODULATE TO MAINTAIN A SUPPLY AIR DUCT STATIC PRESSURE OF 1.5 " (ADJ.) LOCATED IN THE SUPPLY DUCTWORK 2/3 POINT

WHEN OUTDOOR AIR ENTHALPY IS ABOVE THE RETURN AIR ENTHALPY THE UNIT SHALL BE IN COOLING MODE. THE OUTSIDE AIR DAMPER SHALL MODULATE TO THE MINIMUM POSITION. THE COMPRESSOR CONTROLS SHALL STAGE THE STEPS OF REFRIGERATION AS REQUIRED TO PROVIDE THE NECESSARY SUPPLY AIR TEMPERATURE SETPOINT OF 55°F (ADJ.). WHEN THE OUTDOOR AIR ENTHALPY IS BELOW THE RETURN AIR ENTHALPY AND THE OUTSIDE AIR TEMPERATURE IS ABOVE 55°F (ADJ.), THE UNIT SHALL BE IN AIR SIDE ECONOMIZER MODE WITH MECHANICAL COOLING. THE OUTSIDE AIR DAMPER SHALL MODULATE TO ITS MAXIMUM POSITION AND THE COMPRESSOR CONTROLS SHALL STAGE THE STEPS OF REFRIGERATION AS REQUIRED TO PROVIDE THE

WHEN THE OUTDOOR AIR ENTHALPY IS BELOW THE RETURN AIR ENTHALPY AND THE OUTSIDE AIR TEMPERATURE IS BELOW 55°F (ADJ.), THE UNIT SHALL BE IN AIR SIDE ECONOMIZER MODE. COMPRESSORS SHALL BE LOCKED OUT. THE OUTSIDE AIR DAMPER RETURN AIR DAMPER AND GAS HEAT SHALL MODULATE TO MAINTAIN A SUPPLY AIR TEMPERATURE SET POINT OF 55°F (ADJ.). RELIEF FAN SHALL MODULATE

<u>UNOCCUPIED MODE OF OPERATION</u>
ALL DAMPERS GO TO THEIR NORMAL POSITION. THE SUPPLY FAN AND COMPRESSORS ARE CYCLED OFF-ON TO MAINTAIN A MAXIMUM SPACE TEMPERATURE OF 82°F (ADJ.).

THE UNIT SHALL BE COMMANDED INTO THE OCCUPIED MODE FOR A PERIOD OF 1 HOUR (ADJUSTABLE) WHEN ANY SPACE THERMOSTAT OVERRIDE BUTTON IS PRESSED.

SUPPLY FAN WILL OPERATE AND THE FAN VFD'S SHALL MODULATE TO MAINTAIN A SUPPLY AIR DUCT STATIC PRESSURE. THE OUTSIDE AIR DAMPER SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE OPEN. THE COMPRESSOR WILL BE LOCKED OUT. THE GAS FURNACE SHALL MODULATE TO MAINTAIN A UNIT DISCHARGE AIR TEMPERATURE OF 80°F (ADJ.). WHEN THE RETURN AIR TEMPERATURE RISES ABOVE 68°F (ADJ.) THE NORMAL CYCLE IS RESUMED.

MORNING COOL-DOWN MODE THE SUPPLY FAN, COMPRESSORS, AND ECONOMIZER SHALL OPERATE IN NORMAL OCCUPIED MODE. WHEN THE OUTSIDE AIR TEMPERATURE IS ABOVE 55° F THE OUTSIDE AIR DAMPER SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE OPEN. WHEN THE RETURN AIR TEMPERATURE FALL BELOW 78°F (ADJ.) THE NORMAL CYCLE IS RESUMED.

SMOKE DETECTOR, LOCATED IN RETURN AIR, SIGNALS ALARM AND STOPS ALL RTU FANS WHEN PRODUCTS OF COMBUSTION ARE DETECTED IN THE AIRSTREAM, BY FIRE ALARM CONTRACTOR. PROVIDE SMOKE DETECTOR ALARM STATUS TO BUILDING AUTOMATION SYSTEM. UPON FIRE ALARM RELEASE THE NORMAL CYCLE IS RESUMED.

THE UNIT SHALL SHUT DOWN THE SUPPLY AND RELIEF FAN IF THE DISCHARGE AIR TEMPERATURE FALLS BELOW 45°F (ADJ.).

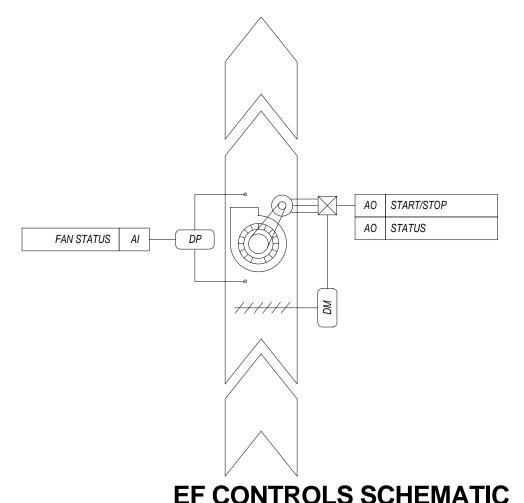
NECESSARY SUPPLY AIR TEMPERATURE SETPOINT OF 55°F (ADJ.). RELIEF FAN SHALL MODULATE TO MAINTAIN BUILDING PRESSURE.

 THE UNIT WILL NOTIFY THE BUILDING AUTOMATION SYSTEM OF DIRTY FILTERS UPON A PRESSURE DROP ABOVE LIMIT ACROSS THE FILTER BANK. THE UNIT SHALL ALARM THE BUILDING AUTOMATION SYSTEM WHEN THE SUPPLY FAN STATUS DOES NOT MATCH THE SUPPLY FAN COMMAND.

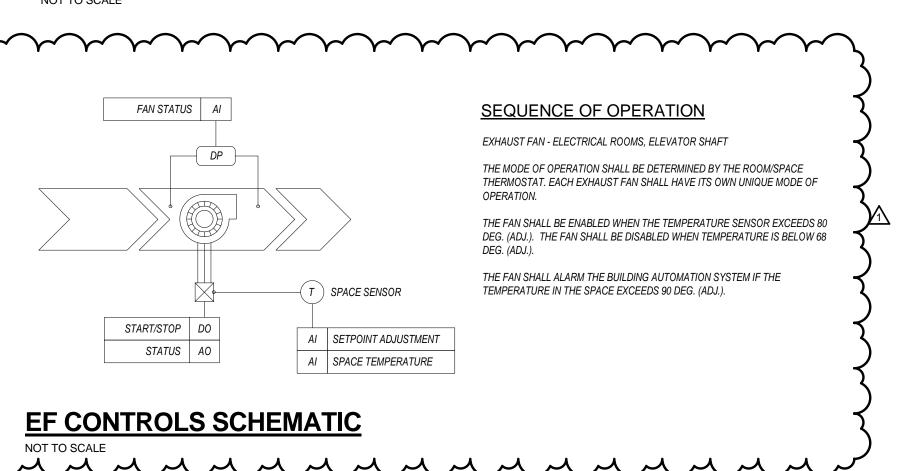
 THE UNIT SHALL ALARM THE BUILDING AUTOMATION SYSTEM WHEN THE RELIEF FAN STATUS DOES NOT MATCH THE RELIEF FAN COMMAND. THE UNIT SHALL ALARM THE BUILDING AUTOMATION SYSTEM WHEN THE COMPRESSOR STATUS DOES NOT MATCH THE COMPRESSOR COMMAND.

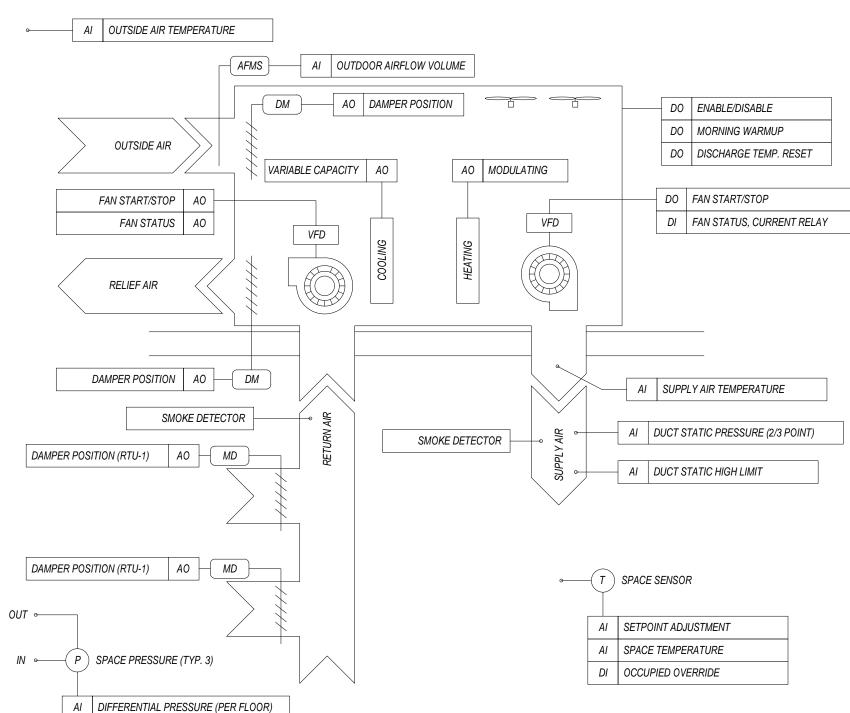
TEMPERATURE CONTROL SYMBOLS

LS	LIMIT SWITCH	DP	DIFFERENTIAL PRESSURE SENSOR
FS	FLOW SWITCH	SP	STATIC PRESSURE SENSOR
DO	DIGITAL OUTPUT	DATS	DISCHARGE AIR TEMPERATURE SENSOR
DI	DIGITAL INPUT	VFD	VARIABLE FREQUENCY DRIVE
AI	ANALOG INPUT	MAT	MIXED AIR TEMPERATURE SENSOR
NC	NORMALLY CLOSED	DX	DIRECT EXPANSION
RA	RETURN AIR	СТ	CURRENT TRANSDUCER
SA	SUPPLY AIR	FAC	FIRE ALARM CONTROL PANEL
OA	OUTSIDE AIR	STG	STAGE OF HEATING/COOLING
S/S	START/STOP	CTLR	CONTROLLER
DM	DAMPER MOTOR	AO	ANALOG OUTPUT
VOC	VOLATILE ORGANIC COMPOUNDS	CO2	CARBON DIOXIDE
		AFMS	AIR FLOW MEASURING STATION



EF CONTROLS SCHEMATIC







VAN TRUST REAL ESTATE, LLC

PARK PLACE

BUILDING 'N

5100 W. 115TH PLACE

LEAWOOD, KANSAS 66211

05.22.2018

Issued For: CORE/SHELL BID SET

05.30.18 Addendum #1

REVISIONS

REGISTRATION

4900 Main St., Suite 400 Kansas City, MO 64112

PROJECT TEAM ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL ENGINEERING, INC. LANDSCAPE LANDSCAPE STRUCTURAL PMA ENGINEERING

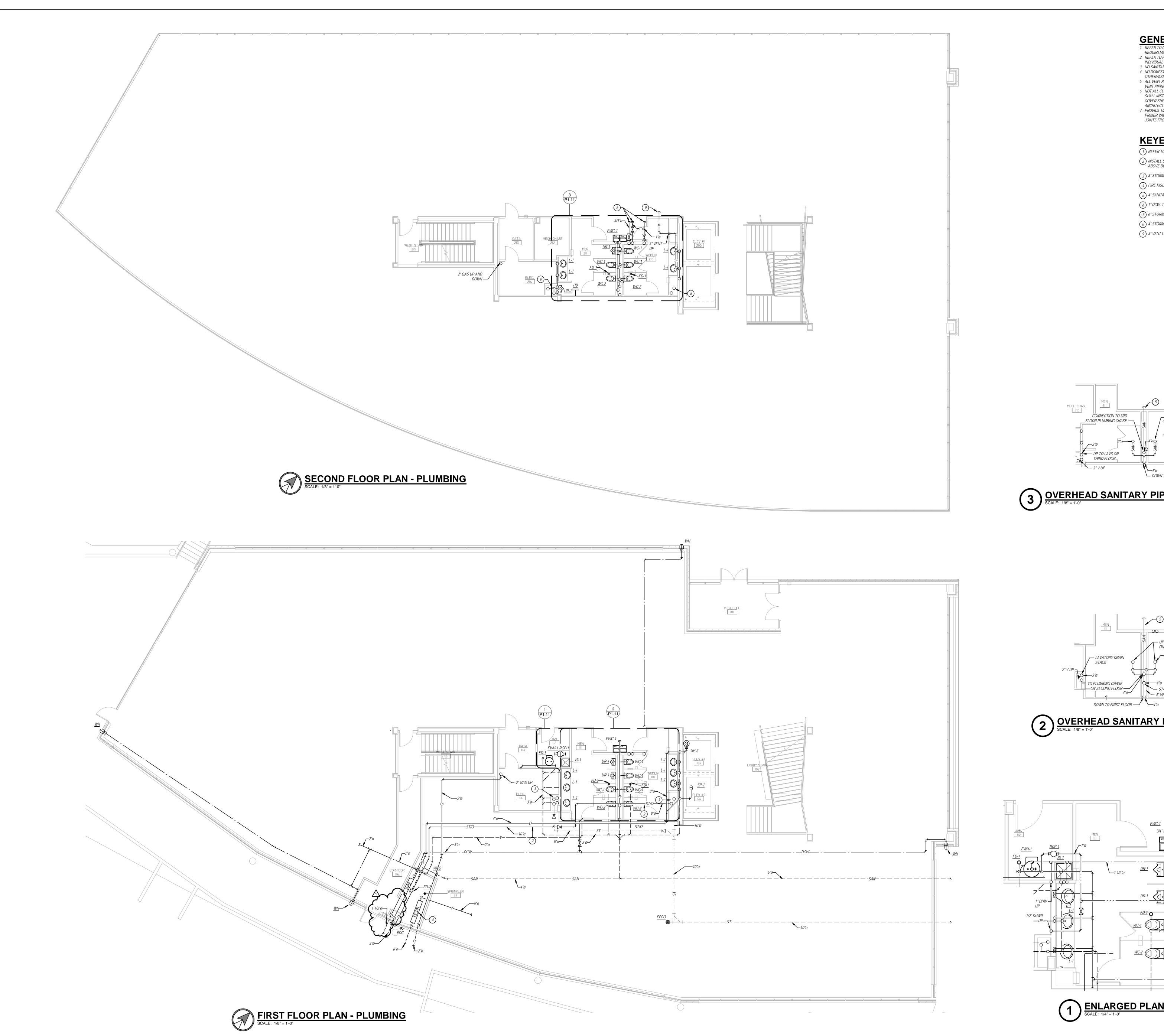
PLUMBING PKMR ENGINEERS MECHANICAL PKMR ENGINEERS ELECTRICAL PKMR ENGINEERS

MW BUILDERS CONTRACTOR VAN TRUST DEVELOPER REAL ESTATE, LLC



SHEET TITLE

MECHANICAL CONTROLS





- REQUIREMENTS OF WORK. 2. REFER TO PLUMBING FIXTURE / DRAIN SCHEDULES FOR PIPING SIZES FOR INDIVIDUAL CONNECTIONS TO FIXTURES AND RISERS NOT SHOWN ON PLANS.
- 3. NO SANITARY OR VENT PIPING BELOW GRADE SHALL BE LESS THAN 2". 4. NO DOMESTIC WATER PIPING SHALL BE SMALLER THAN 3/4" UNLESS NOTED
- 5. ALL VENT PIPING SHOWN IS DIAGRAMMATIC. USE APPROPRIATE FITTINGS FOR VENT PIPING BELOW FLOOD RIM OF FIXTURE. 6. NOT ALL CLEANOUTS ARE SHOWN FOR DRAWING CLARITY. CONTRACTOR SHALL INSTALL ALL CODE-REQUIRED CLEANOUTS (RE: GENERAL NOTES ON
- COVER SHEET). COORDINATE EXACT LOCATIONS OF CLEANOUTS WITH 7. PROVIDE 1/2" TRAP PRIMER PIPING FOR ALL FLOOR DRAINS TO NEAREST TRAP PRIMER VALVE. PIPING SHALL BE TYPE "K" SOFT COPPER SEAMLESS WITH NO JOINTS FROM VALVE TO DRAIN.

KEYED NOTES - PLUMBING

1) REFER TO CIVIL FOR CONTINUATION.

2) INSTALL STORM AND STORM OVERFLOW PIPING TIGHT TO STRUCTURE AND ABOVE DUCTWORK.

(3) 8" STORM AND 8" STORM OVERFLOW UP/DOWN.

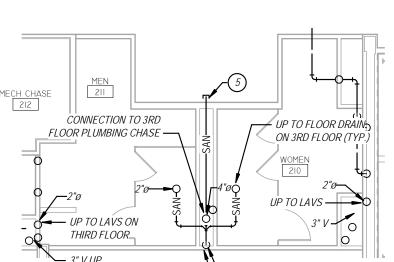
4) FIRE RISER, SEE DETAIL.

(5) 4" SANITARY CAPPED FOR FUTURE TENANT. (6) 1" DCW, 1" DHW, AND 3/4" DHWR CAPPED ABOVE CEILING.

(7) 6" STORM AND STORM OVERFLOW UP TO ROOF DRAIN.

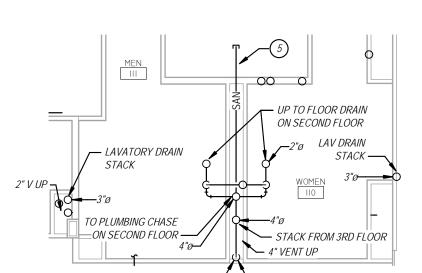
(8) 4" STORM AND STORM OVERFLOW UP TO ROOF DRAIN.

9) 3" VENT LINE CAPPED FOR FUTURE TENANT.

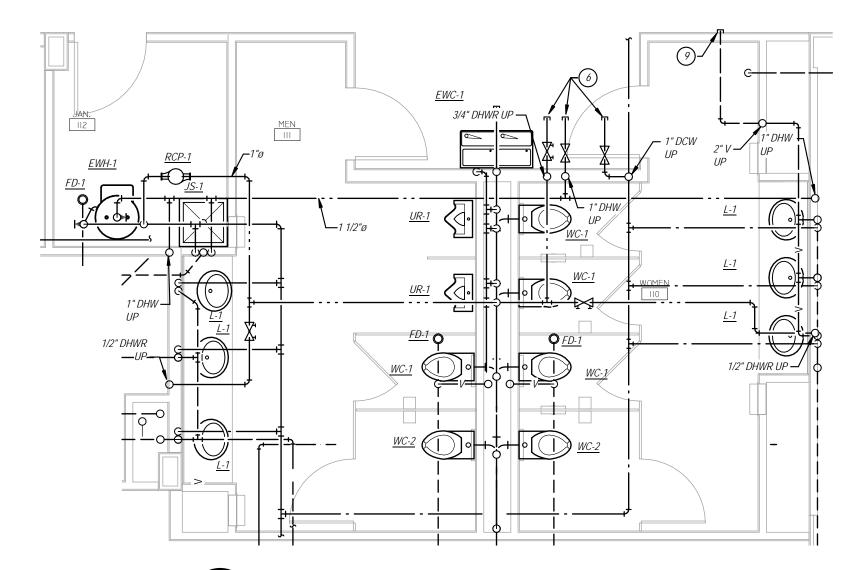


OVERHEAD SANITARY PIPING - SECOND FLOOR

SCALE: 1/8" = 1'-0"



OVERHEAD SANITARY PIPING - FIRST FLOOR
SCALE: 1/8" = 1'-0"



1 ENLARGED PLAN - RESTROOM AREA
SCALE: 1/4" = 1'-0"



Kansas City, MO 64112 PARK PLACE

EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

1 05.30.18 Addendum #1

REGISTRATION



CONTRACTOR

MWBuilders

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING, INC.

LANDSCAPE LANDSCAPE PMA ENGINEERING

PKMR ENGINEERS MECHANICAL PKMR ENGINEERS

ELECTRICAL PKMR ENGINEERS MW BUILDERS CONTRACTOR

VAN TRUST REAL ESTATE, LLC

pkmr ENGINEERS

SHEET TITLE PLUMBING PLAN - FIRST & SECOND FLOOR **PLANS**

SHEET NUMBER P1.11

SCOPE OF FIRE SUPRESSION

CONTRACTOR SHALL INSTALL NEW NFPA-13 FIRE SUPPRESSION SYSTEM FOR BUILDING. REFER TO SPECIFICATIONS FOR REQUIREMENTS, PRODUCT SPECIFICS AND INSTALLATION PROCEDURES. SPRINKLER SYSTEM SHALL BE MONITORED BY THE FIRE ALARM SYSTEM. CONTRACTOR SHALL PROVIDE NECESSARY TAMPER FLOW SWITCH, CONTROLS, AND MONITORING AS REQUIRED. SYSTEM SHALL BE QUICK RESPONSE TYPE FOR APPROPRIATE HAZARD CLASSIFICATION. COORDINATE WITH APPROVED ARCHITECTURAL PLANS FOR CONSTRUCTION TYPES, CLASSIFICATIONS AND HAZARDS.

INSTALLATION SHOWING COORDINATION OF SPRINKLER PIPING AND SPRINKLER HEADS WITH OTHER

WHERE BUILDING REMAINS UNFINISHED THE SPRINKLER SYSTEM SHALL DESIGNED FOR CAPACITY TO EXTEND THE SYSTEM WITHOUT RETURNING TO THE RISER LOCATION FOR FUTURE COVERAGE OF ADDITIONAL SPACES IN BUILDING.

FIRE SPRINKLER DESIGN CRITERIA

ENGINEERING DOCUMENTS SHALL BE BASED UPON THE FOLLOWING CODES AND STANDARDS (AND LIST THEM ON THE LAYOUT DOCUMENTS):

1. NFPA 13 - CURRENT EDITION FIRE PROTECTION DOCUMENTS SHALL ALSO LIST AND/OR SHOW THE FOLLOWING (UTILIZE CODE

APPROVED CODE PLANS AND COORDINATE ALL AREAS OF THE BUILDING AND VARIOUS REQUIREMENTS AS

MAY BE NECESSARY. GENERALLY, THE BUILDING SPACES SHALL BE AS FOLLOWS, BUT MAY DIFFER IN

SPECIFIC AREAS OF MULTIPLE OCCUPANCIES.): 1. OCCUPANCY TYPE - AS LISTED ON ARCHITECTURAL CODE PLANS 2. CONSTRUCTION TYPE: AS LISTED ON ARCHITECTURAL CODE PLANS

3. DESIGN APPROACH (STATE THE FOLLOWING: RESPONSE TYPE, DENSITY, HEAD SPACING.) 4. INTERIOR OCCUPIED SPACES SYSTEM

6. THE POINT OF SERVICE FOR THE FIRE PROTECTION WATER SUPPLY

4.1 SYSTEM TYPE - WET 4.2 . HAZARD CLASSIFICATION - LIGHT

MONITORING SOURCE PANEL.

4.2.1. SYSTEM RESPONSE TYPE - QUICK 4.2.2. DENSITIES - 0.10 GPM/SF FOR 1,500 SF

4.2.3. MAXIMUM HEAD SPACING - 225 SF 4.3. HAZARD CLASSIFICATION - ORDINARY GROUP 1 4.3.1. SYSTEM RESPONSE TYPE - QUICK 4.3.2. DENSITIES - 0.15 GPM/SF FOR 1,500 SF

4.3.3. MAXIMUM HEAD SPACING - 130 SF 5. CHARACTERISTICS OF WATER SUPPLY TO BE USED, INCLUDING MAIN SIZE AND LOCATION, STATIC AND RESIDUAL PRESSURES AND FLOW RATES.

7. SYSTEM VALVING AND ALARM REQUIREMENTS: 7.1. SYSTEM SHALL BE MONITORED BY THE FIRE ALARM SYSTEM OR A SEPARATE MONITORING SYSTEM PANEL, DIALER AND ANNUNCIATION ACCESSORIES AS REQUIRED BY LOCAL ADOPTED CODES. 7.2. ALL CONTROL VALVES SHALL BE EQUIPPED WITH TAMPER AND FLOW SWITCHES WIRED TO THE

ACCEPTANCE TESTING OF FIRE PROTECTION SYSTEM SHALL BE IN ACCORANCE WITH THE FOLLOWING CODES AND STANDARDS: 1. NFPA 25 - CURRENT EDITION

CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND ARCHITECTURAL PLANS FOR ROUTING OF PIPING AND PLACEMENT OF SPRINKLER HEADS. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO

VENT PIPING BELOW FLOOD RIM OF FIXTURE.

6. NOT ALL CLEANOUTS ARE SHOWN FOR DRAWING CLARITY. CONTRACTOR SHALL INSTALL ALL CODE-REQUIRED CLEANOUTS (RE: GENERAL NOTES ON COVER SHEET). COORDINATE EXACT LOCATIONS OF CLEANOUTS WITH

7. PROVIDE 1/2" TRAP PRIMER PIPING FOR ALL FLOOR DRAINS TO NEAREST TRAP PRIMER VALVE. PIPING SHALL BE TYPE "K" SOFT COPPER SEAMLESS WITH NO JOINTS FROM VALVE TO DRAIN.

KEYED NOTES - PLUMBING

GENERAL PLUMBING NOTES

2. REFER TO PLUMBING FIXTURE / DRAIN SCHEDULES FOR PIPING SIZES FOR

3. NO SANITARY OR VENT PIPING BELOW GRADE SHALL BE LESS THAN 2".

4. NO DOMESTIC WATER PIPING SHALL BE SMALLER THAN 3/4" UNLESS NOTED

5. ALL VENT PIPING SHOWN IS DIAGRAMMATIC. USE APPROPRIATE FITTINGS FOR

INDIVIDUAL CONNECTIONS TO FIXTURES AND RISERS NOT SHOWN ON PLANS.

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.

1) REFER TO CIVIL FOR CONTINUATION.

2) INSTALL STORM AND STORM OVERFLOW PIPING TIGHT TO STRUCTURE AND ABOVE DUCTWORK.

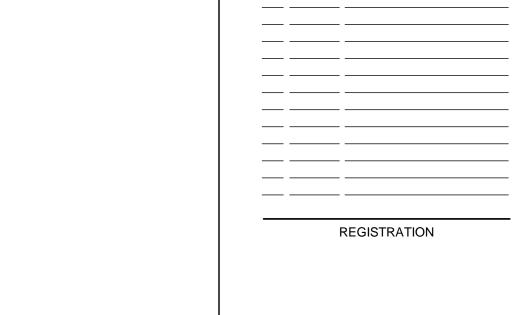
(3) 8" STORM AND 8" STORM OVERFLOW UP/DOWN.

(4) FIRE RISER, SEE DETAIL.

(5) 4" SANITARY CAPPED FOR FUTURE TENANT. (6) 1" DCW, 1" DHW, AND 3/4" DHWR CAPPED ABOVE CEILING.

(7) 6" STORM AND STORM OVERFLOW UP TO ROOF DRAIN.

8) 4" STORM AND STORM OVERFLOW UP TO ROOF DRAIN. 9) 3" VENT LINE CAPPED FOR FUTURE TENANT.





VAN TRUST REAL ESTATE, LLC

PARK PLACE

BUILDING 'N'

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

05.22.2018

1 05.30.18 Addendum #1

Issued For: CORE/SHELL BID SET

REVISIONS

Description

4900 Main St., Suite 400

Kansas City, MO 64112

MWBuilders PROJECT TEAM

ENGINEERING, INC. LANDSCAPE

MECHANICAL

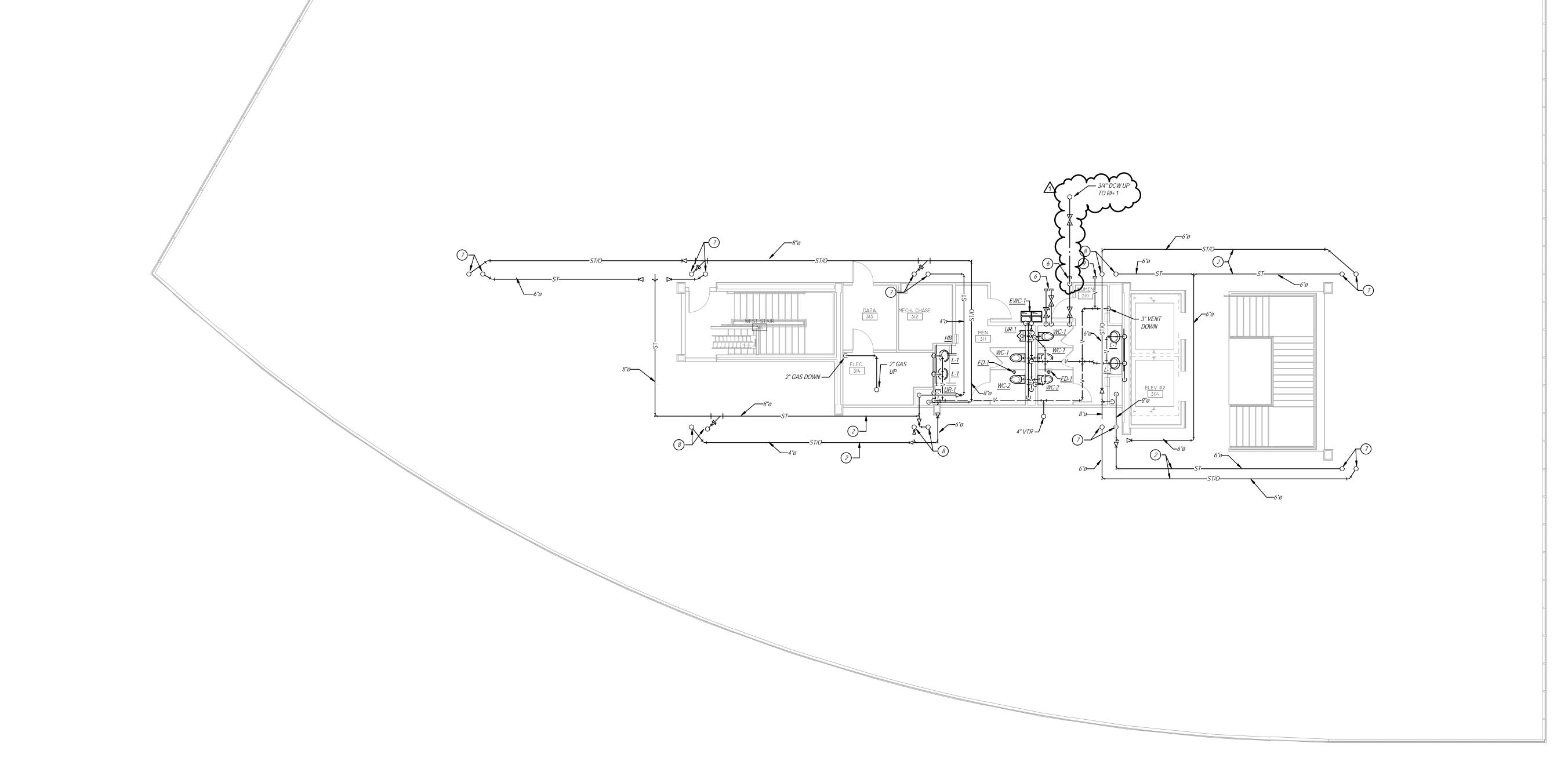
VAN TRUST REAL ESTATE, LLC



SHEET TITLE

PLUMBING PLAN - THIRD FLOOR PLAN

> SHEET NUMBER P1.21



PIPING MATERIA	L AND	INSUL	ATION S	CHEDULE				
		PIPING			FIELD TEST	ALLOWABLE IN	INSULA	TION
SYSTEM	SIZE	MATERIAL	TYPE/SCHED	ACCEPTABLE FITTINGS	PRESSURE/TIME	PLENUMS	TYPE	THICKNESS
DOMESTIC COLD WATER	1/2" - 2-1/2"	Copper	L	Solder, Pro-Press	130 PSI - 1/2 HR	Yes	Fiberglass w/ASJ	1/2"
DOMESTIC COLD WATER	3"-6"	Copper	К	Brazed, Pro-Press	130 PSI - 1/2 HR	Yes	Fiberglass w/ASJ	1/2"
DOMESTIC COLD WATER - BELOW GRADE	1/2"-1-1/2"	Copper	К	Continuous Tubing, Brazed	130 PSI - 1/2 HR	N/A		
DOMESTIC HOT WATER & HW RETURN	1/2" - 2-1/2"	Copper	L	Solder, Pro-Press	130 PSI - 1/2 HR	Yes	Fiberglass w/ASJ	1"
DRAIN - INTERIOR	1-1/2"-4"	Copper	L	Solder, Pro-Press	10 FT - 1/2 HR	Yes	Fiberglass w/ASJ	1/2" (Plenum Only)
FIRE SPRINKLER	4"-8"	Ductile Iron	AWWA C151	AWA C111, Mechanical Joints	130 PSI - 1/2 HR	N/A		
FIRE SPRINKLER	RE: Specs.	Carbon Steel	Schedule 40	RE: Specifications	RE: Specs.	Yes		
NATURAL GAS	1/2"-2"	Steel - Seemless	Schedule 40	Threaded	75 PSI - 1 HR	Yes		
NATURAL GAS - BELOW GRADE	All	Polyethylene	SDR-11	Fusion Joints	100 PSI - 1 HR	N/A		
SANITARY WASTE ABOVE GRADE	1-1/2"-6"	Cast Iron	No Hub / Service Wt.	No Hub	10 FT - 1/2 HR	Yes		
SANITARY WASTE BELOW GRADE	2"-8"	PVC	Schedule 40	Solvent Joined	10 FT - 1/2 HR	N/A		
VENT ABOVE GRADE	1-1/2"-4"	Cast Iron	No Hub / Service Wt.	No Hub	10 FT - 1/2 HR	Yes		
VENT ABOVE GRADE	1-1/2"-4"	PVC	Schedule 40	Solvent Joined	10 FT - 1/2 HR	No		
STORM DRAIN - ABOVE GRADE	3"-12"	Cast Iron	No Hub / Service Wt.	No Hub	10 FT - 1/2 HR	Yes	Fiberglass w/ASJ	1/2"
STORM DRAIN - BELOW GRADE	3"-16"	PVC	Schedule 40	Fusion Joints	10 FT - 1/2 HR	N/A		
DOMESTIC WATER SERVICE BELOW GRADE	1"-3"	Copper	К	Continuous Tubing, Brazed	130 PSI - 1/2 HR	N/A		

1 ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50. 2 ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2007 REQUIREMENTS AT A MINIMUM. 3 REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.

MADIC			FIXTURE			FITTINGS		CONNEC	CTION SIZES		DEMARK
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	DESCRIPTION	DHW	DCW	WASTE	VENT	REMARK
EWC-1	ELKAY	LZSTL8WSSP	ADA-COMPLIANT, DUAL-HEIGHT, BARRIER-FREE, ELECTRIC WATER COOLER WITH BOTTLE FILLER. PROVIDES 8.0 GPM OF 50°F WATER AT 90°F AMBIENT. ADA-COMPLIANT FRONT AND SIDE PUSHBARS. LEAD FREE. MOUNT WITH MIN. 27" KNEE CLEARANCE AND SPOUT AT NO MORE THAN 36" A.F.F.	ELKAY		BOTTLE FILLER SHALL INCLUDE ELECTRONIC SENSOR FOR NO-TOUCH ACTIVATION WITH AUTOMATIC 20-SECOND SHUT-OFF. SHALL PROVIDE 1.1 GPM LAMINAR FLOW. ANTI-MICROBIAL PROTECTED PLASTIC COMPONENTS.		1/2"	2"	1 1/4"	4
НВ	WADE	8605	EXPOSED HOSE BIBB WITH COMPRESSION VALVE, ANTI-SIPPHON BACKFLOW PREVENTER AND 3/4" HOSE CONNECTION.					3/4"			
JS-1	FIAT	MSB	JANITOR'S SINK. 24"x24"x10", WHITE, ONE-PIECE MOLDED STONE MOP BASIN. UNIT SHALL BE ONE HOMOGENOUS PIECE. STAINLESS STEEL INTEGRAL DRAIN BODY WITH CAULKED CONNECTION FOR 3" PIPE. PROVIDE WITH STAINLESS STEEL WALL GUARDS.	CHICAGO FAUCET / FIAT	897-CP / 889C, 832AA	C.P. SERVICE SINK FITTING WITH VACUUM BREAKER, 3/4" HOSE THREAD ON SPOUT, ADJUSTABLE WALL BRACE, PAIL HOOK, AND 1/2" FLANGED FEMALE ADJUSTABLE ARMS WITH INTEGRAL STOPS. CAULK BETWEEN WALL AND FLANGE WITH GE SILICONE SEALANT. 3" C.I. "P" TRAP. / PROVIDE HOSE AND BRACKET, MOP HANGER, AND HOSE RACK	3/4"	3/4"	3"	2"	
L-1	AMERICAN STANDARD	0614.000	UNDERCOUNTER-MOUNTED LAVATORY. WHITE VITREOUS CHINA. UNGLAZED RIM WITH FRONT OVERFLOW. SUPPLY WITH MOUNTING KIT.	SLOAN	EFX200	SINGLE HOLE DOUBLE INFRARED SENSOR ACTIVATED ELECTRONIC HANDWASHING FAUCET W/ BATTERY BACK-UP AND LINE PURGE MODE FOR HOT/COLD WATER SUPPLIES. 0.5GPM SOLENOID VALVE HOUSED IN REMOVABLE CARRIER. SOLENOID CARRIER W/ STRAINER, ABOVE-DECK SERVICE. PROVIDE WITH ASSE 1070 THERMOSTATIC MIXER.	1/2"	1/2"	2"	1 1/4"	1,2,3,4,
RH-1	FREEZË FLOW	2131R	SELF CONTAINED ROOF HYDRANT. NO DRAIN REQUIRED. HEAVY DUTY BRASS WITH PAIL HOOK, 1" GALVANIZED SCHED. 40 STEEL PIPE RISER, STAINLESS STEEL CANISTER, 3/4" PRASS PIPE THREAD INLET, 1011 BACKFLOW PREVENTER WITH 3/4" BRASS GARDEN HOSE THREAD OUTLET, AND HOSE QUICK DISCONNECTOR.					3/4"			
UR-1	ΤΟΤΟ	<i>UT105U</i>	ADA-COMPLIANT, WALL-HUNG WASHOUT URINAL. WHITE VITREOUS CHINA. 3/4" TOP SPUD. 0.125 GALLON SIPHON JET FLUSHING ACTION. MOUNT FIXTURE RIM AT 17" A.F.F. PROVIDE FLOOR-MOUNTED, HEAVY-DUTY TUBULAR STEEL UPRIGHTS, ADJUSTABLE CARRIER, PLATED HANGER, AND ALL OTHER REQUIRED MOUNTING HARDWARE.	ΤΟΤΟ	TEU1UN-12	EXPOSED URINAL FLUSH VALVE. CHROME-PLATED, HANDS FREE OPERATION. ECOPOWER SELF GENERATING POWER SYSTEM. 3/4" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP. ADJUSTABLE TAILPIECE. 0.125GPF, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD. PROVIDE WALL AND SPUD FLANGES. MAXIMUM HANDLE HEIGHT PER ADA STANDARDS.		3/4"	2"	1 1/2"	6
WC-1	TOTO CHURCH	9500C	WALL-MOUNTED FLUSH VALVE WATER CLOSET. ELONGAGED, WHITE VITREOUS CHINA BOWL. MOUNT TOP OF SEAT AT 15" AFF. SIPHON ACTION JET WITH 1.28 GALLON PER FLUSH. TOP SPUD CONFIGURATION. PROVIDE CHAIR CARRIER, FACEPLATE AND FOOT SUPPORTS FOR HANGER AND ALL OTHER REQUIRED MOUNTING HARDWARE. WHITE, SOLID PLASTIC, OPEN-FRONT SEAT FOR ELONGATED BOWL. INTEGRAL BUMPERS. EXTERNALCHECK HINGES WITH STAINLESS STEEL POSTS.	ΤΟΤΟ	TET1LN32	EXPOSED WATER CLOSET FLUSH VALVE. CHROME-PLATED, HANDS FREE OPERATION. ECOPOWER SELF GENERATING POWER SYSTEM. 1" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP. ADJUSTABLE TAILPIECE. 1.28 GPF, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD. PROVIDE WALL AND SPUD FLANGES. COORDINATE ROUGH IN HEIGHT WITH MANUFACTURER'S RECOMMENDATION.		1 1/4"	4"	2"	6
WC-2	TOTO CHURCH	<i>CT708E</i> 9500C	ADA-COMPLIANT, WALL-MOUNTED FLUSH VALVE WATER CLOSET. ELONGAGED, WHITE VITREOUS CHINA BOWL. MOUNT TOP OF SEAT AT 17" AFF. SIPHON ACTION JET WITH 1.28 GALLON PER FLUSH. TOP SPUD CONFIGURATION. PROVIDE CHAIR CARRIER, FACEPLATE AND FOOT SUPPORTS FOR HANGER AND ALL OTHER REQUIRED MOUNTING HARDWARE. WHITE. SOLID PLASTIC. OPEN-FRONT SEAT FOR ELONGATED BOWL.	<i>TOTO</i>	TET1LN32	EXPOSED WATER CLOSET FLUSH VALVE. CHROME-PLATED, HANDS FREE OPERATION. ECOPOWER SELF GENERATING POWER SYSTEM. 1" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP. ADJUSTABLE TAILPIECE. 1.28 GPF, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD. PROVIDE WALL AND SPUD FLANGES. COORDINATE ROUGH IN HEIGHT WITH MANUFACTURER'S		1 1/4"	4"	2"	6
14///			INTEGRAL BUMPERS. EXTERNALCHECK HINGES WITH STAINLESS STEEL POSTS.			RECOMMENDATION.		2/4#			
WH	WATTS	HY	EXPOSED, NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER. 3/4 IN. HOSE CONNECTION. LOCKING, STAINLESS STEL BOX.					3/4"			

PROVIDE CHROME-PLATED BRASS P-TRAP. 3 PROVIDE LOOSE KEY STOPS AND FLEXIBLE RISERS.

PROVIDE CONCEALED ARM TYPE CARRIER WITH SQUARE, TUBULAR STEEL UP-RIGHTS AND BLOCK TYPE BASES. 5 INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS. REFER TO SPECIFICATIONS FOR INSULATION METHODS.

6 PROVIDE FLUSH VALVE HANDLE ON WIDE SIDE OF STALL.

GENERAL NOTES (APPLICABLE TO ALL FIXTURES): 1 ALL LAVATORIES AND SINKS USED FOR HAND WASHING SHALL BE PROVIDED WITH AN ANTI-SCALD TEMPERATURE MIXING VALVE ON THE HOT WATER SUPPLY - REFER TO DETAIL. ? FIXTURE CONNECTION SIZES SHOWN IN SCHEDULE ARE CONNECTION SIZE AT FIXTURE ON PLANS.

MADIC	MANUEACTURER	MODEL	DESCRIPTION	TANK		HEATING ELEME	ENT(S)	RECO	VERY	ELECTE	RICAL	REMARKS
MARK	MANUFACTURER	NUMBER	DESCRIPTION	VOLUME	#	WATTAGE	TOTAL KW	RATE	RISE	VOLTAGE	PHASE	REMARKS
EWH-1	STATE	CSB-52-18	ASME COMPLIANT	50 gal	3	6,000	18.0	74.0 GPH	100 °F	480	3	1

ЛARK	MANUFACTURER	MODEL	SERVICE	TOP/GRATE SIZE	WASTE SIZE	REMARKS
FD-1	WATTS	FD-100A-5-2	FLOOR DRAIN	5"	2"	1
FD-2	WATTS	FD-100L-8-4	FLOOR DRAIN	8"	4"	1,2

MARK	MANUFACTURER	MODEL	SERVICE	WASTE SIZE	REMARKS
ORD-1	WATTS	RD-104-R	ROOF DRAIN	4"	1,2
ORD-2	WATTS	RD-106-R	ROOF DRAIN	6"	1,2
RD-1	WATTS	RD-104	ROOF DRAIN	4"	1
RD-2	WATTS	RD-106	ROOF DRAIN	6"	1

? ALL HORIZONTAL STORM DRAINAGE PIPING ROUTED AT 1/8" PER FOOT SLOPE UNLESS NOTED OTHERWISE. 3 ALL DRAINS SHALL BE PROVIDED WITH GALVANIZED IRON PARTS WITH BEARING PAN AND SECURING PACKAGE.

	ELECTRICAL		PUMP HP	DIIMD HD MAX.	HEAD (FT.	GPM	MODEL	MANUFACTURER	лаrk I
	VOLTAGE	RPM	FOWETHE	W.C.)	GFIVI	NUMBER	WANDFACTORER	MAINN	
	120 V	1750	1/2	20	50	1411	WEIL	SP-1	
	120 V	1750	1/2	20	50	1411	WEIL	SP-2	
土							WEIL		

4 COORDINATE ANY REQUIRED AREA DRAIN OR SUBSOIL CONNECTIONS TO BASIN. EXTEND DEPTH OF BASIN AS REQD.

MARK	MANIJEACTIJDED	MILEACTURER IMMODEL MUMBERT GEM T		HEAD (FT.	AMPS	ELECTRICAL		REMARKS
IVIAIN	WANDFACTURER	WODEL NOWBER	GFIVI	W.C.)	AIVIFS	VOLTAGE	PH	TEMAKK
RCP-1	BELL & GOSSETT	NBF-22U	7.5	10	.8	120 V	1	1,2,3
								•
ΙΛΛΟΚΟ	,							
PEMARKS.	BRONZE CONSTRUCTION.							



PARK PLACE

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Date: 05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS ____ ____ _____ ____ ____ ____

REGISTRATION



CONTRACTOR

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE CIVIL ENGINEERING, INC. LANDSCAPE LANDSCAPE

STRUCTURAL PMA ENGINEERING PLUMBING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS ELECTRICAL PKMR ENGINEERS

REAL ESTATE, LLC

CONTRACTOR MW BUILDERS VAN TRUST

DEVELOPER

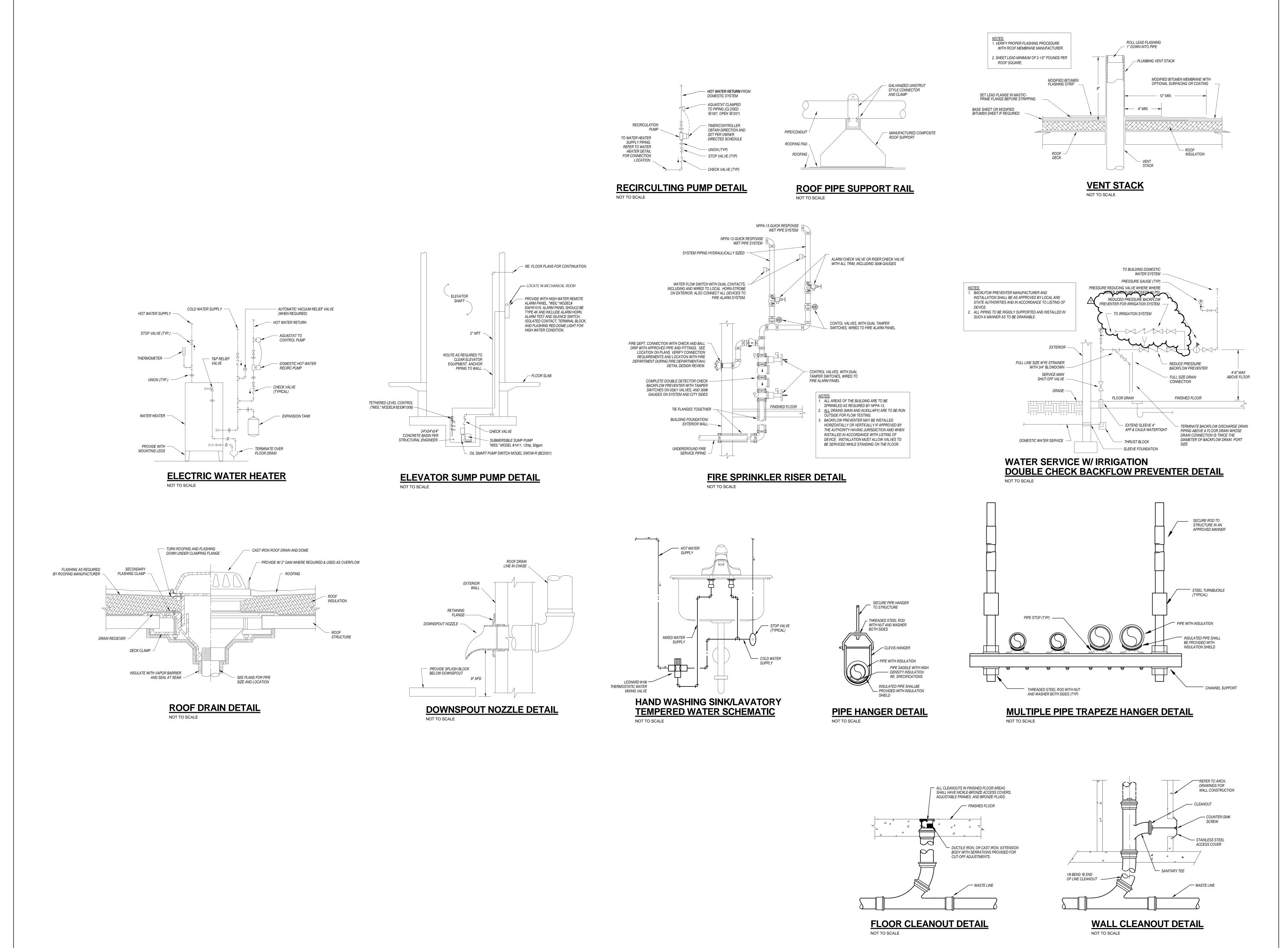


SHEET TITLE

PLUMBING SCHEDULE

SHEET NUMBER

WATER HAMMER ARRESTERS: PROVIDE WATER HAMMER ARRESTORS FOR ALL PLUMBING BANKS WITH FIXTURES UTILIZING FLUSH VALVES IN ANY CAPACITY. LOCATE ARRESTER BETWEEN THE LAST TWO FIXTURES SERVED ON THE BRANCH LINE. ASSE 1010 OR PDI-WH 201, PISTON TYPE WITH PRESSURIZED METAL-TUBE CUSHIONING CHAMBER. SIZES INDICATED ARE BASED ON ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. MANUFACTURERS: AMTROL, JOSAM, SIOUX CHIEF, WATTS, WATER CLOSET=10FU, URINALS=5FU, LAVATORIES=1.5FU. WHEN NO FLUSH VALVES ARE INSTALLED ON A BRANCH OF PIPING PROVICE 3/4"X12" AIR CHAMBERS AT EACH HOT AND COLD WATER SUPPLY CONNECTION TO A PLUMBING FIXTURE. CONTRACTOR MAY PROVIDE WATER HAMMER ARRESTERS ABOVE THE CEILING BEFORE DROPPING INTO MASONRY CONSTRUCTION IN LIEU OF AIR CHAMBERS. CONNECTIONS TO OTHER ITEMS SUCH AS WASHERS, ICE MAKERS, OR OTHER EQUIPMENT SHALL BE PROVIDED WITH AN APPROPRIATELY SIZED WATER HAMMER ARRESTER FOR EACH WATER CONNECTION.





5100 W. 115TH PLACE

LEAWOOD, KANSAS 66211 05.22.2018

Issued For: CORE/SHELL BID SET

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CONTRACTOR

MWBuilders

PROJECT TEAM FINKLE+WILLIAMS ARCHITECT ARCHITECTURE PHELPS CIVIL ENGINEERING, INC. LANDSCAPE LANDSCAPE STRUCTURAL PMA ENGINEERING PKMR ENGINEERS PLUMBING

PKMR ENGINEERS MECHANICAL PKMR ENGINEERS ELECTRICAL

CONTRACTOR MW BUILDERS

DEVELOPER

VAN TRUST

REAL ESTATE, LLC

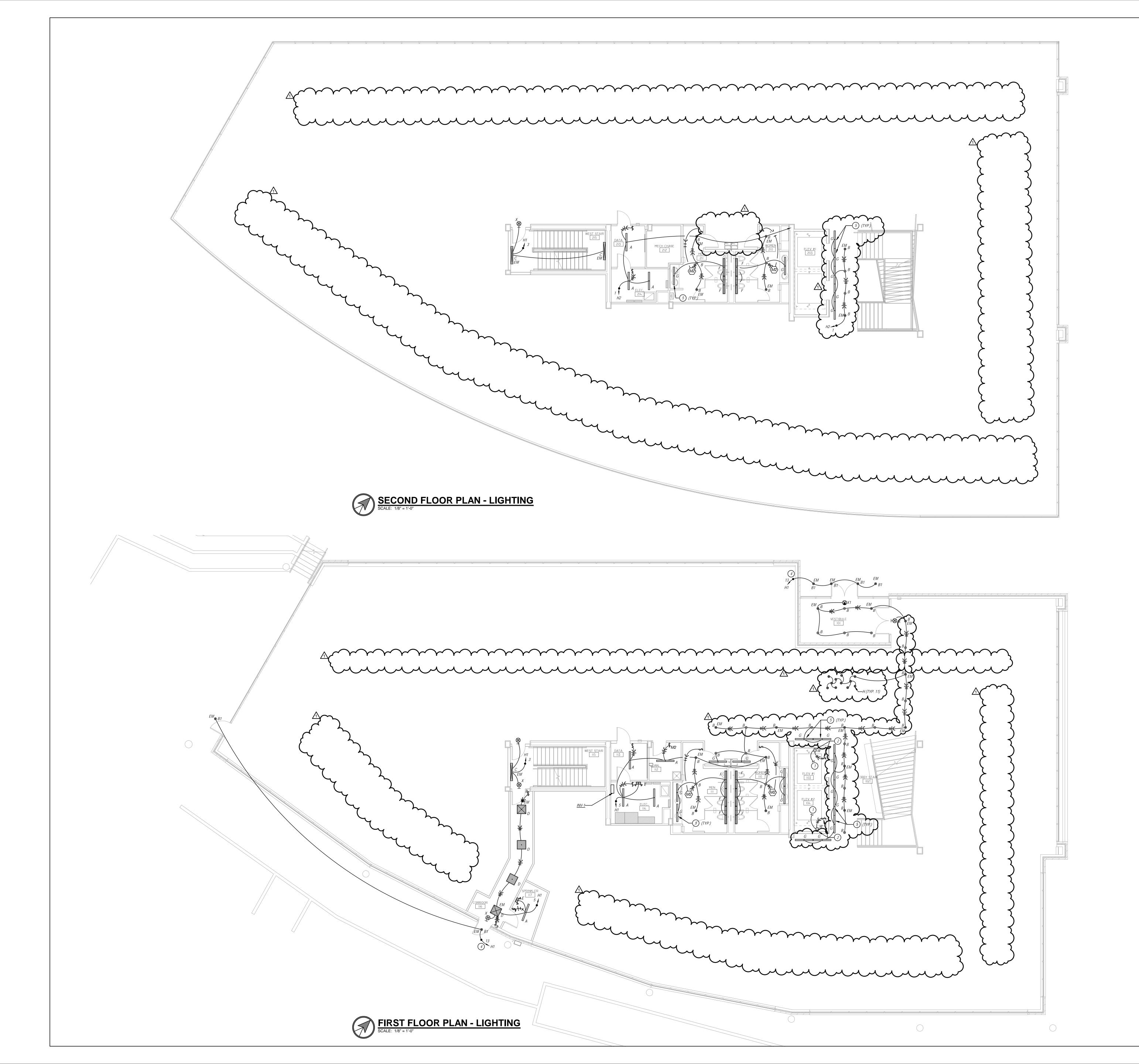


PLUMBING DETAILS

SHEET TITLE

SHEET NUMBER

P3.01





5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Date: 05.22.2018 Issued For: CORE/SHELL BID SET REVISIONS

GENERAL LIGHTING NOTES 1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL

NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN SWITCHED.

(1) CONNECT TO RECEPTACLE CIRCUIT IN PIT/HOISTWAY.

KEYED NOTES - LIGHTING

2. LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS

2) MOUNT FIXTURE BELOW PATH OF ELEVATOR TRAVEL. MOUNT SWITCH AT 48" ABOVE ELEVATOR LANDING.

4) ROUTE THROUGH REMOTE CONTROL SWITCH RCS-2 FOR ON/OFF CONTROL OF FIXTURES AND THEN THROUGH INVERTER INV-1 FOR EMERGENCY OPERATION. (INVERTER IS TO BE ON LINE SIDE OF RCS)

(3) MOUNT FIXTURE ABOVE PATH OF ELEVATOR TRAVEL. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO BEGINNING WORK.

(5) MOUNT TYPE 'G' FIXTURE IN COVE. COORDINATE EXACT MOUNTING, LOCATION, ETC. WITH ARCHITECTURAL PLANS/DETAILS.

LIGHTING CONTROLS

\$_{MR#} WALL-MOUNTED SENSOR - DUAL-RELAY

BUTTONS)

CORNER-MOUNTED (ON CEILING) MOTION SENSOR

H(♥)→ CORNER-MOUNTED (ON WALL) MOTION SENSOR

SENSOR
CEILING-MOUNTED MOTION SENSOR FOR HALLWAYS

(#) CEILING-MOUNTED MOTION SENSOR FOR HIGH CEILINGS CEILING-MOUNTED MOTION SENSOR FOR AISLES

DIGITAL LIGHTING MANAGEMENT SENSORS/CONTROLLERS

Q → DIGITAL CORNER-MOUNTED (ON CEILING) MOTION SENSOR

DIGITAL CORNER-MOUNTED (ON WALL) MOTION SENSOR

MDX DIGITAL CEILING-MOUNTED MOTION SENSOR FOR HALLWAYS

\$LD# DIGITAL DIMMING SWITCH (# INDICATES NO. OF BUTTONS)

DIGITAL ON/OFF SWITCH (# INDICATES NO. OF BUTTONS)

MDX DIGITAL CEILING-MOUNTED MOTION SENSOR

DIGITAL DAYLIGHT SENSOR

■ RC# DIGITAL ON/OFF ROOM CONTROLLER

■ RD# DIGITAL DIMMING ROOM CONTROLLER

TIME-BASED CONTROLS

OWNER TRAINING

\$_{TS} DIGITAL TIME SWITCH

\$_{A,T} ASTRONOMICAL TIME CLOCK

LIGHTING CONTROL PANEL SYSTEMS

LIGHTING CONTROL PANEL SWITCH

PROVIDE FACTORY REPRESENTATIVE TRAINING TO OWNER FOR EACH LIGHTING CONTROL SYSTEM UTILIZED, INCLUDING PROGRAMMING FOR SCHEDULING AND OPERATION OF EACH ROOM PER OWNER DIRECTION. PROVIDE RECORD OF TIME DELAY SETTINGS ON ALL SENSOR DEVICES FOR

SYSTEMS SHALL BE SET/PROGRAMMED TO OPERATE TYPICALLY IN MANUAL ON/AUTO OFF MODE. SET WALL MOUNTED MOTION SENSOR TO MANUAL ON MODE. SET POWER PACKS CONTROLLED BY CEILING MOTION SENSORS TO MANUAL ON AND CONTROL WITH MOMENTARY WALL SWITCH. PROVIDE AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS. LOW VOLTAGE WIRING NOT SHOWN ON PLANS FOR CLARITY. PROVIDE FINAL SETTINGS/ADJUSTMENTS PER OWNER'S DIRECTION.

LIGHTING CONTROL PANEL

SENSOR ADJUSTMENTS AND SETTINGS

\$MDR# DIGITAL WALL-MOUNTED SENSOR · DUAL-RELAY

CEILING-MOUNTED MOTION SENSOR FOR ENDS OF AISLES

CEILING-MOUNTED MOTION

DAYLIGHT SENSOR

\$_{MD#} DIGITAL WALL-MOUNTED SENSOR

STANDARD SENSORS/CONTROLLERS

\$_{M#} WALL-MOUNTED SENSOR

REFER TO SCHEDULES FOR SPECIFIC INFORMATION ON DEVICES. UNLESS NOTED OTHERWISE, WHERE "#" IS USED BELOW IT REFERS

\$LM# LOW VOLTAGE MOMENTARY SWITCH (# INDICATES NO. OF

TO THE DEVICE IDENTITY IN THE RESPECTIVE SCHEDULE.

REQUIREMENTS OF WORK.

REGISTRATION



CONTRACTOR

MWBuilders

PROJECT TEAM FINKLE+WILLIAMS ARCHITECT

ARCHITECTURE ENGINEERING, INC.

LANDSCAPE

STRUCTURAL PMA ENGINEERING

LANDSCAPE

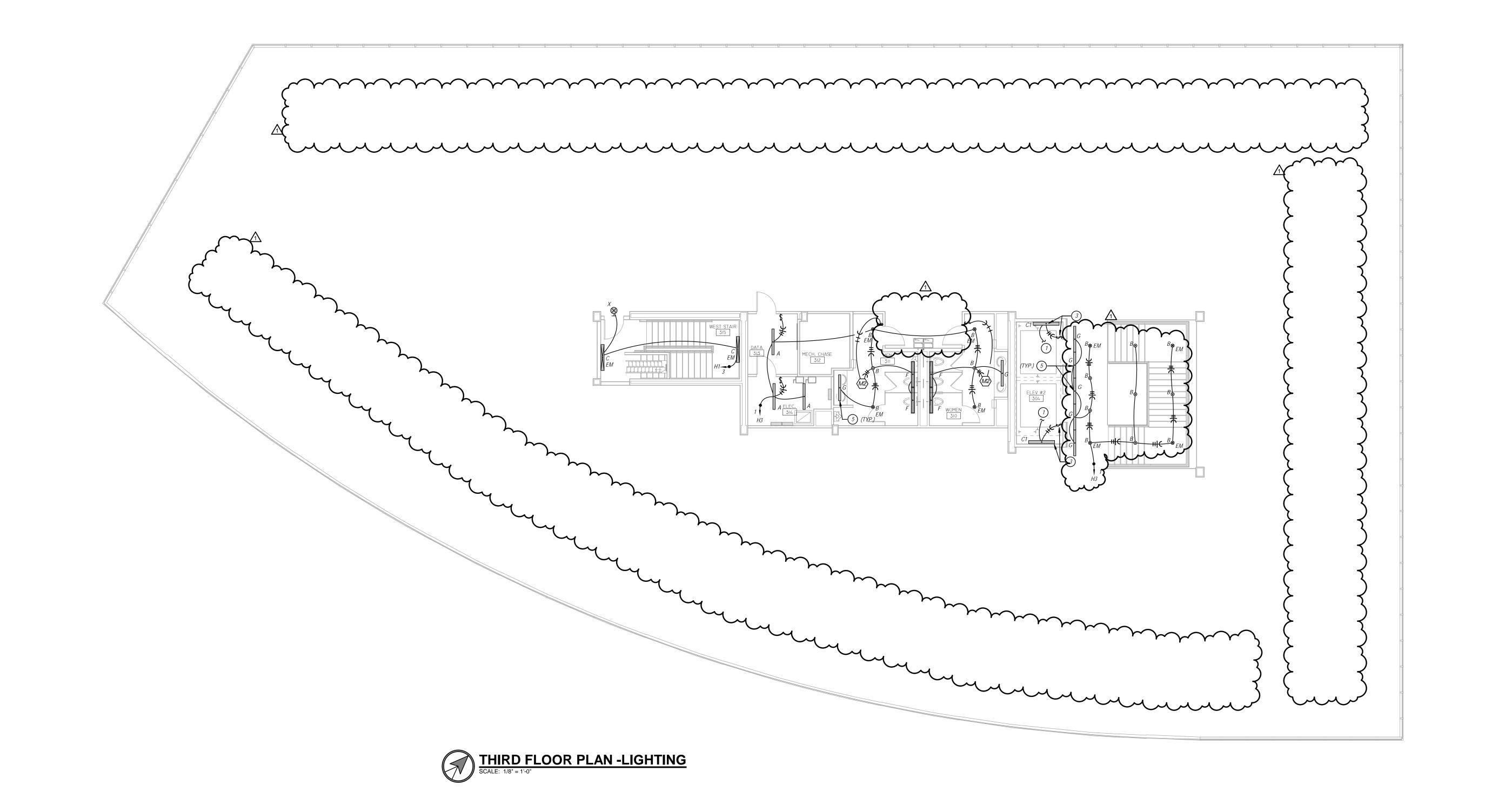
PKMR ENGINEERS PLUMBING MECHANICAL PKMR ENGINEERS

ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS VAN TRUST DEVELOPER REAL ESTATE, LLC

PKMr PEARSON KENT MCKINLEY RAAF ENGINEERS. LL 13300 W 98TH STREET

LIGHTING PLAN -FIRST & SECOND **FLOORS**





5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

	Proje	ect No.:	17056
	Date) :	05.22.2018
	Issue	ed For:	CORE/SHELL BID SET
			REVISIONS
l			
	No.	Date	Description
	No.		Description Addendum #1
	No. 1		
	No. 1		
	No. 1		
	No. 1		·

REGISTRATION



CONTRACTOR

MWBuilders

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL ENGINEERING, INC. LANDSCAPE LANDSCAPE STRUCTURAL PMA ENGINEERING PLUMBING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS

VAN TRUST DEVELOPER REAL ESTATE, LLC

4 ROUTE THROUGH REMOTE CONTROL SWITCH RCS-2 FOR ON/OFF CONTROL OF FIXTURES AND THEN THROUGH INVERTER INV-1 FOR EMERGENCY OPERATION. (INVERTER IS TO BE ON LINE SIDE OF RCS) PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC
13300 W 98TH STREET LENEXA, KS 66215

GENERAL LIGHTING NOTES

KEYED NOTES - LIGHTING

2) MOUNT FIXTURE BELOW PATH OF ELEVATOR TRAVEL. MOUNT SWITCH AT 48" ABOVE ELEVATOR LANDING.

(3) MOUNT FIXTURE ABOVE PATH OF ELEVATOR TRAVEL. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO BEGINNING WORK.

(5) MOUNT TYPE 'G' FIXTURE IN COVE. COORDINATE EXACT MOUNTING, LOCATION, ETC. WITH ARCHITECTURAL PLANS/DETAILS.

1) CONNECT TO RECEPTACLE CIRCUIT IN PIT/HOISTWAY.

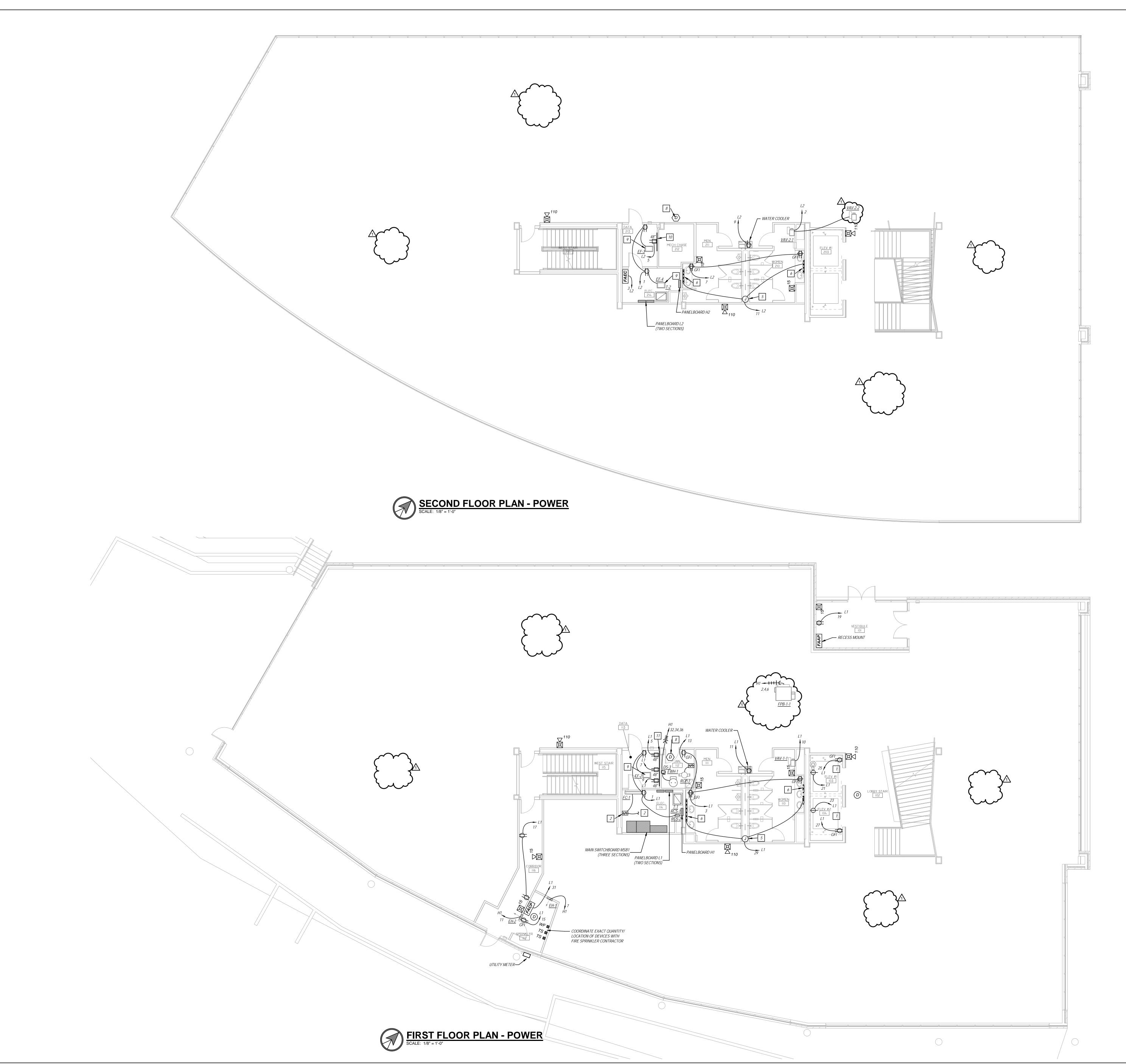
REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
 LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN SWITCHED.

SHEET TITLE

LIGHTING PLAN -THIRD FLOOR PLAN

SHEET NUMBER

E1.21





REQUIREMENTS OF WORK.

2. COORDINATE EXACT NEMA CONFIGURATIONS OF RECEPTACLES SERVING EOUIPMENT WITH EXACT EOUIPMENT BEING FURNISHED.

3. EXACT MECHANICAL EOUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR.

4. COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS, HVAC DIFFUSERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.

KEYED NOTES - POWER PLAN

1 15 AMP 1-POLE CIRCUIT BREAKER DISCONNECT FOR ELEVATOR CAB LIGHTING.

2 CIRCUIT THROUGH CONDENSING UNIT ON ROOF. PROVIDE 2-POLE TOGGLE DISCONNECT AT FAN COIL. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR

3 MOUNT DEVICES IN ELEVATOR HOISTWAY ABOVE PATH OF ELEVATOR TRAVEL.

4 CONNECT TO ELEVATOR CONTROLLER AND CAB LIGHTING IN ELEVATOR JAMB. COORDINATE ALL WORK AND INSTALLATION REQUIREMENTS WITH ELEVATOR

5 JUNCTION BOX FOR CONNECTION TO HARD-WIRED FLUSH VALVE SENSORS IN RESTROOMS. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.

6 PLUG MOLD WITH (1) 20A GFI DUPLEX RECEPTACLE PER SINK FOR CONNECTION TO SOAP DISPENSER AND FAUCET SENSOR. MOUNT SAME BELOW COUNTERTOP.

7 MOUNT DUCT DETECTORS IN RTU-2 RETURN AIR DUCTS. COORDINATE WITH MECHANICAL CONTRACTOR.

8 MOUNT DUCT DETECTORS OR ARRAYED AREA DETECTORS OVER RETURN AIR OPENING AND INTERLOCK TO RTU-1

9 CIRCUIT EXHAUST FAN CONTROL THROUGH LINE VOLTAGE T-STAT.

10 PROVIDE 4" X 8' X 3/4" FIRE TREATED PLYWOOD BACKBOARD FOR MOUNTING OF IT/DATA EQUIPMENT.

71 PROVIDE (2) 4' x 8' x 3/4" FIRE TREATED PLYWOOD BACKBOARDS FOR MOUNTING OF IT/DATA EQUIPMENT

ELEVATOR RECALL AND SHUTDOWN

THE SEQUENCE OF OPERATION FOR ELEVATOR RECALL AND SHUTDOWN SHALL BE AS FOLLOWS:

THE ACTIVATION OF SMOKE DETECTORS WITH THE ELEVATOR EQUIPMENT ROOM, ELEVATOR SHAFT OR THE ELEVATOR LOBBIES SHALL INITIATE ELEVATOR RECALL.

THE ACTIVATION OF THE HEAT DETECTOR WITHIN THE ELEVATOR EQUIPMENT ROOM OR SHAFT SHALL SIGNAL THE SHUNT TRIP CIRCUIT BREAKERS SERVING THE ELEVATOR TO OPEN. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY RELAYS AND ASSOCIATED CONDUIT AND WIRE AS REQUIRED TO ACTIVATE THE COIL IN THE SHUNT TRIP CIRCUIT BREAKER SERVING THE ELEVATOR CONTROLLER.



4900 Main St., Suite 400 Kansas City, MO 64112

> PARK PLACE EAST END BUILDING 'N'

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

 Project No.:
 17056

 Date:
 05.22.2018

 Issued For:
 CORE/SHELL BID SET

REVISIONS

 No.
 Date
 Description

 1
 05.30.18
 Addendum #1

REGISTRATION



CONTRACTOR

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS
ARCHITECTURE

CIVIL PHELPS
ENGINEERING, INC.

STRUCTURAL PMA ENGINEERING

LANDSCAPE

PLUMBING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS

RICAL PKMR ENGINEERS

ACTOR MW BUILDERS

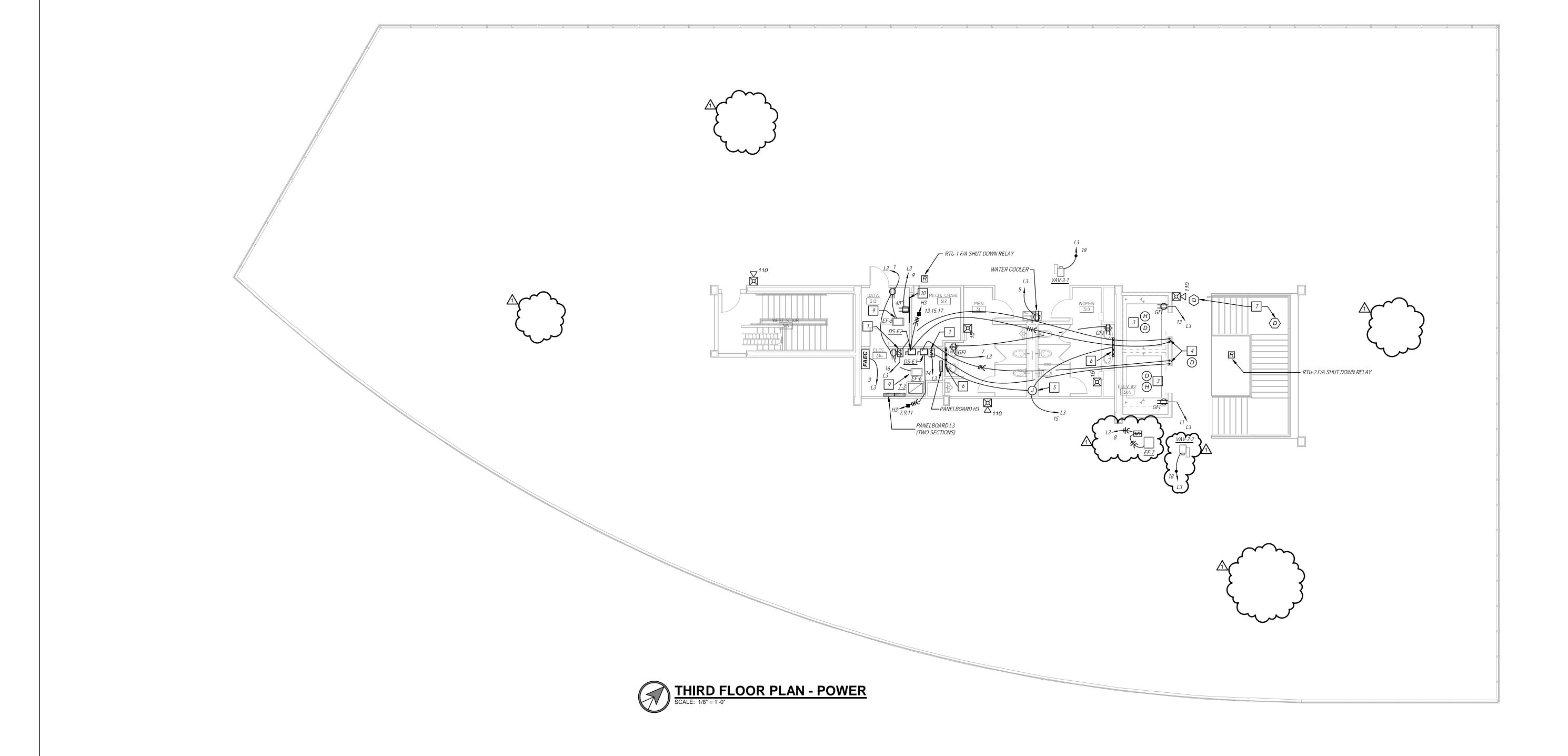
OPER VAN TRUST
REAL ESTATE, LLC



POWER PLAN FIRST &
SECOND FLOOR
PLANS

SHEET NUMBER

E2.11



GENERAL POWER NOTES

- 1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- 2. COORDINATE EXACT NEMA CONFIGURATIONS OF RECEPTACLES SERVING EQUIPMENT WITH EXACT EQUIPMENT BEING FURNISHED.
- 3. EXACT MECHANICAL EQUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT,
- DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR. 4. COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS, HVAC DIFFUSERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.

KEYED NOTES - POWER PLAN

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PARK PLACE EAST END BUILDING 'N'

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Date: 05.22.2018 Issued For: CORE/SHELL BID SET REVISIONS

1 05.30.18 Addendum #1

REGISTRATION



CONTRACTOR

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE CIVIL ENGINEERING, INC.

LANDSCAPE LANDSCAPE STRUCTURAL PMA ENGINEERING

PLUMBING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS

ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS VAN TRUST REAL ESTATE, LLC

DEVELOPER

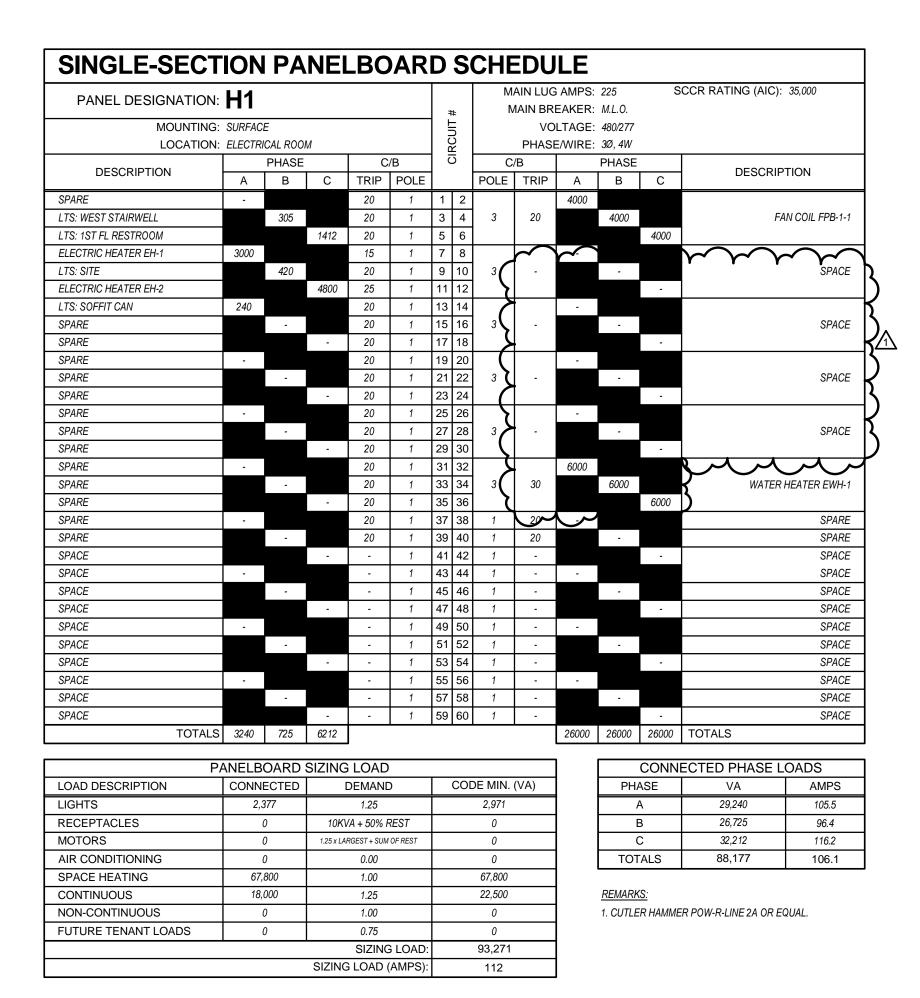


SHEET TITLE

POWER PLAN -THIRD FLOOR PLAN

SHEET NUMBER

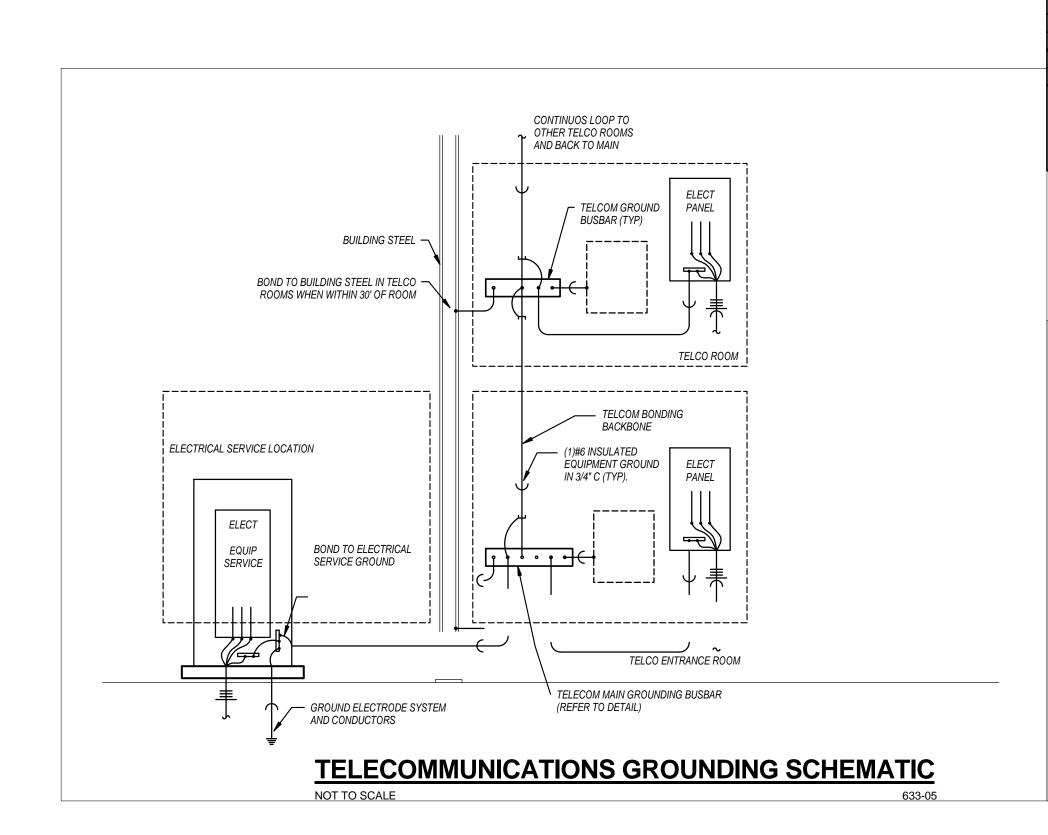
E2.21



S	WI	ТСНВО	ARD SCHED	ULE	<u> </u>								
PA	NEL D	ESIGNATION	MAIN BUS AMPS:	1200	V	OLTAGE:	480/277		MOUNTING:	FLOOR			
	R/A	CD1	MAIN BREAKER AMPS:	1200	PHAS	SE/WIRE:	3Ø, 4W		LOCATION:	MAIN ELECTI	RICAL ROOM		
	IVI	SB1	SCCR RATING (AIC):	65,000									
CIRC	CUIT	CIRCUIT DES	IGNATION	KVA	CIRC	UIT BREA	KER			FEE	DER		
N	Ο.	CIRCUIT DES	IGNATION	NVA	POLE	FRAME	TRIP	SETS	# OF WIRES	SIZE	GROUND	MATERIAL	CONDUIT
	1	PANELBOARD H	1	88.2	3	200	200	1	4	#3/0	#6	COPPER	2"
	2	PANELBOARD H	2	52.1	3	400	400	1	4	500 MCM	#3	COPPER	3-1/2"
z	3	PANELBOARD H	3	85.9	3	400	400	1	4	500 MCM	#3	COPPER	3-1/2"
SECTION	4	RTU-1		243.9	3	400	350	1	3	500 MCM	#3	COPPER	3"
SEC	5	RTU-2		116.7	3	200	175	1	3	#2/0	#6	COPPER	2"
	6	TRANSFORMER	T-1	88.6	3	200	125	1	3	#1	#6	COPPER	1-1/2"
Ĕ	7	SPACE		0.0	3	400	-	-	-	-	-	-	-
DISTRIBUTION	8	SPACE		0.0	3	400	-	-	-		-	-	-
STF	9	SPACE		0.0	3	200	-	-	-		-	-	-
ă ∣	10	SPACE		0.0	3	200	-	-	-		-	-	-
	11	SPACE		0.0	3	100	-	-	-	-	-	-	-
	12	SPACE		0.0	3	100	-	-	-	-	-	-	-

P	ANELBOARD SIZIN	IG LOAD	
LOAD DESCRIPTION	CONNECTED LOAD	DEMAND FACTOR	CODE MIN. (VA)
LIGHTS	4,773	1.25	5,966
RECEPTACLES	11,133	10KVA + 50% REST	10,567
MOTORS	34,222	1.25 x LARGEST + SUM OF REST	37,962
AIR CONDITIONING	364,399	1.00	364,399
SPACE HEATING	163,800	0.00	0
CONTINUOUS	18,000	1.25	22,500
NON-CONTINUOUS	2,250	1.00	2,250
FUTURE TENANT LOADS	250,060	0.75	187,545
TOTAL CONNECTED LOAD (VA):	848,637	SIZING LOAD (VA):	631,188
TOTAL CONNECTED LOAD (AMPS):	1,020.8	SIZING LOAD (AMPS):	759.2

1. CUTLER HAMMER POW-R-LINE C SWITCHBOARD OR EQUAL. 2. THREE SECTIONS (PULL, CT/MAIN, DISTRIBUTION)



PANEL DESIGNATION	: H2						#		IAIN LUG MAIN BR	_		S	CCR RATING (A	IC): 35,000	
MOUNTING	S: SURFAC	E							VO	LTAGE:	480/277				
LOCATION	N: ELECTR	ICAL ROO	М				2		PHASE	E/WIRE:	3Ø, 4W				
DECODIDATION		PHASE		С	:/B] [5		;/B		PHASE		- DECA	-BIDTION-	
DESCRIPTION	А	В	С	TRIP	POLE			POLE	TRIP	A	MB T	YE			Y
LTS: 2ND FL	620			20	1	1(2			-					
SPARE		-		20	1	3	4	3	-		-			,	SP
SPARE			-	20	1	5	6					-			
SPARE	-			20	1	7	8			-					
SPARE		-		20	1	9	1 0	3	-		-			,	SP
SPARE			-	20	1	11	12					-			
SPARE	-			20	1	13	14			-					
SPARE				20	1	15	16	3	-		-				SP
SPARE			-	20	1	17	18		<u>L</u>			-			
SPARE				20	1	19	20			-					
SPARE		-		20	1	21	22	3	-		-				SP
SPARE				20	1	23	24					-			
SPARE	-			20	1	25	26	المار	20	سر ا				7	SP.
SPARE				20	1	27	28	1	20						SP
SPARE			-	20	1	29	30	1	20			-			SP
SPARE	-			20	1	31	32	1	20	-				,	SP
SPARE		-		20	1	33	34	1	20		-			,	SP
SPARE			-	20	1	35	36	1	20			-		,	SP
SPARE	-			20	1	37	38	1	20	-				,	SP
SPARE		-		20	1	39	40	1	20		-			,	SP
SPACE			-	-	1	41	42	1	-			-		,	SP
SPACE	-			-	1	43	44	1	-	-				,	SP
SPACE		-		-	1	45	46	1	-		-			,	SPA
SPACE			-	-	1	47	48	1	-			-		,	SPA
SPACE	-			-	1	49	50	1	-	-				,	SPA
SPACE		-		-	1	51	52	1	-		-			,	SPA
SPACE			-	-	1	53	54	1	-			-			SPA
SPACE	-			-	1	55	56			1110					
SPACE				_	1	57	58	3	125		1250			TRANSFORM	1ER
SPACE			-	-	1	59	60					1080			
TOTAL	S 620	0	0							17110	17250	17080	TOTALS		
-	PANELE	NARD	SIZING	LOAD)					1		CONN	ECTED PHAS	FLOADS	_
LOAD DESCRIPTION		ECTED		DEMANI		Γ.	COD	DE MIN.	(VA)			ASE	VA		MP
LIGHTS		520		1.25		\vdash		775	· ,	1		A	17,730	_	64.0
RECEPTACLES		590	10K\	VA + 50% I	REST	\vdash		2,590				<u>``</u> В	17,250		52.2
MOTORS		000		RGEST + SUM		\vdash		125				<u> </u>	17,080		31.6
AIR CONDITIONING		0		0.00		\vdash		0				TALS	52,060		57.6 52.6
SPACE HEATING		2,000		1.00		\vdash		48,000				, (LO	1 32,300	1 0	(
CONTINUOUS		0		1.25		\vdash		0		1	REMARK	(S·			
NON-CONTINUOUS		750		1.00		\vdash		750		1			R POW-R-LINE 2A C	OR FOLIAL	
FUTURE TENANT LOADS	_	,665		0.75		\vdash		64,999		1	1. OUTLE	I/\IVIIVIE	OW-N-LINE ZA	AL COME.	
TOTOIL TENANT LOADS	1 00	,,,,,,,			3 LOAD:	\vdash		117,239	<u> </u>						
			0.=	SIZING S LOAD				141	,	l					

PLAN MARK	MANUFACTURER	MODEL	FACTORED	TRANSFORMER		PRIMARY		S	ECONDAR	Υ	NOTES
FLAN WARK	MANOI ACTORER	WODEL	LOAD (VA)	RATING (KVA)	VOLTS	PHASE	WIRES	VOLTS	PHASE	WIRES	NOTES
T-1	CUTLER HAMMER	DT-3	69,655	75.0	480	3	3	208/120	3	4	1
T-2	CUTLER HAMMER	DT-3	68,464	75.0	480	3	3	208/120	3	4	1
T-3	CUTLER HAMMER	DT-3	72,722	75.0	480	3	3	208/120	3	4	1

EQUIP	MENT FEEDER SCHEDULE							
FEEDER	EQUIPMENT	LOAD			FEEDEI	R		CONDUIT
NO.	EQUIPIVIENT	(AMPS)	SETS	# OF WIRES	SIZE	GROUND	MATERIAL	SIZE
F1	SWITCHBOARD MSB1	759.2	4	4	350 MCM	#3/0	COPPER	3"
F2	TRANSFORMER T-1	86.9	1	3	#1	#6	COPPER	1-1/2"
F3	PANELBOARD L1	193.3	1	4	250 MCM	#2	COPPER	2-1/2"
F4	TRANSFORMER T-2	85.4	1	3	#1	#6	COPPER	1-1/2"
F5	PANELBOARD L2	190.0	1	4	250 MCM	#2	COPPER	2-1/2"
F6	TRANSFORMER T-3	90.7	1	3	#1	#6	COPPER	1-1/2"
F7	PANELBOARD L3	201.9	1	4	250 MCM	#2	COPPER	2-1/2"

1 PROVIDE PAD PER KCPL STANDARDS. REFER TO CIVIL DRAWINGS.

2 (1) #3/0 GROUNDING ELECTRODE CONDUCTOR IN 1" CONDUIT.

3 INSTALL METER PER KCPL STANDARDS.

4 3-1/2" CONCRETE HOUSEKEEPING PAD.

5 GROUND BUS. REFER TO DETAIL.

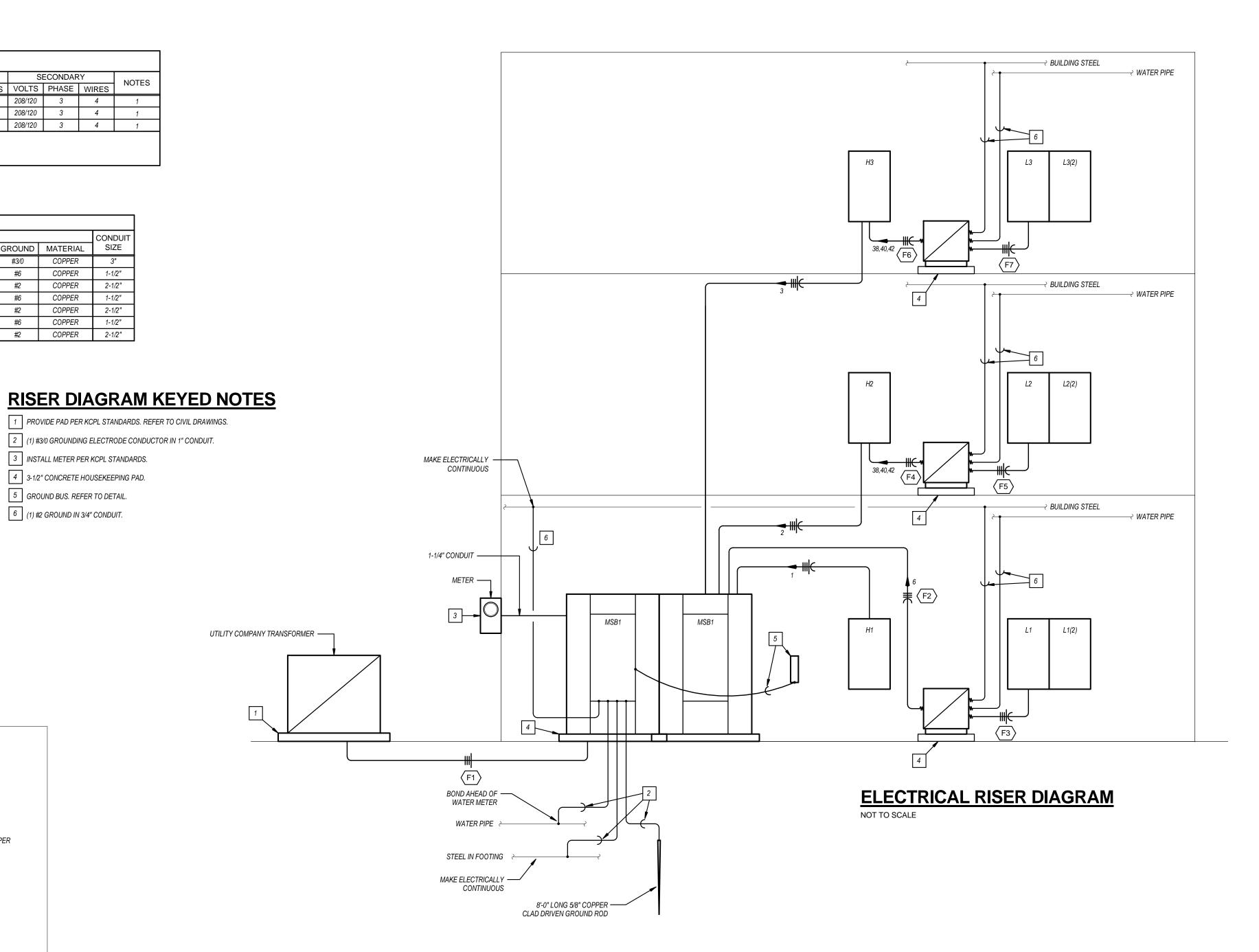
6 (1) #2 GROUND IN 3/4" CONDUIT.

EQUIPMENT	SCA **	SCCR	NOTES
SWITCHBOARD MSB1	39,704	65,000	1
PANELBOARD H1	34,013	35,000	1,2
TRANSFORMER T-1	28,504	-	-
PANELBOARD L1	5,243	10,000	1
PANELBOARD H2	34,185	35,000	1,2
TRANSFORMER T-2	29,239	-	-
PANELBOARD L2	5,268	10,000	1
PANELBOARD H3	31,554	35,000	1,2
TRANSFORMER T-3	27,292	-	-
PANELBOARD L3	5,201	10,000	1
ROOFTOP UNIT RTU-1	30,764	35,000	1
ROOFTOP UNIT RTU-2	22,067	35,000	1

		· ·	
ROOFTOP UNIT RTU-1	30,764	35,000	
ROOFTOP UNIT RTU-2	22,067	35,000	
NOTES: 1. RATING BASED ON AN ASSUMED FAULT AT UTILITY C 2. EQUIPMENT MAY BE SERIES RATED.	CO. TRANSFORMEN	R OF 46,264A.	
** CALCULATIONS PERFORMED USING BUSSMANN POIL	NT-TO-POINT METI	HOD.	

PRIMARY	SECONDARY
	BONDING JUMPER
GROUNDING CONDUCTOR SIZED AS SHOWN ON THE ONE-LINE RISER DIAGRAM FOR THE SECONDARY PHASE CONDUCTORS	GROUNDING BUSHING WITH TERMINAL LUG ON END OF CONDUIT (TYP)
DRY TYPE TRANS	SFORMER GROUNDING
NOT TO SCALE	623-02

PANEL DESIGNATION:	Н3					_	#		IAIN LUG MAIN BR			S	CCR RATING (AIC	C): 35,000
MOUNTING:]				LTAGE:				
LOCATION:	ELECTRI		М	_		}	꽃	_		E/WIRE:			T	
DESCRIPTION	A	PHASE B	С	TRIP	POLE	」 ``	ر	POLE	C/B	~	PHASE	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DESCR	IPTION
LTS: 3RD FL	776			20	1	1				-				•
SPARE		-		20	1	3	4	3	-		-			SPARE
SPACE			-	-	1	5	P					-		
ELEVATOR #1	4986	4986		25	3	7	1 8	3	-	-	-			SPACE
			4986			11	(2					-		
	4986					13	$-\mathbf{u}$			-				
ELEVATOR #2		4986		25	3	15	+	3	-					SPACE
			4986			17	18					-		
SPARE	-			20	1	19	2			-				
SPARE		-		20	1	21	P 2	3	-		-			SPACE
SPARE			-	20	1	23	\rightarrow							A
SPARE	-			20	1	_	26	<u> </u>	20~	<u> </u>				V PARF
SPARE		-		20	1	27	-	1	20		-			SPARE
SPARE		ı	-	20	1	_	30	1	20			-		SPARE
SPARE	-			20	1	-	32	1	20	-				SPARE
SPARE		-		20	1	+	34	1	20		-			SPARE
SPARE			-	20	1	+	36	1	20			-		SPARE
SPARE	-			20	1	_	38	1	20	-				SPARE
SPARE		-		20	1	+	40	1	20		-			SPARE
SPACE			-	-	1	_	42	1	-			-		SPACE
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101/120	107 10	0072	0072	J							70000	70000	1017120	
P.F		OARD	SIZING	LOAD)]		CONN	ECTED PHASE	LOADS
LOAD DESCRIPTION	CONN	ECTED	I	DEMAN)		COE	E MIN.	(VA)]	PH/	ASE	VA	AMPS
LIGHTS	,	776		1.25				2,220]		4	29,058	104.9
RECEPTACLES		674	10K\	/A + 50% I	REST			3,674				3	28,302	102.1
MOTORS	31,	720	1.25 x LA	RGEST + SUM	OF REST			35,460)	28,560	103.1
AIR CONDITIONING)		0.00				0			TOT	ALS	85,920	103.3
SPACE HEATING	48,	000		1.00				48,000						
CONTINUOUS)		1.25				0			REMARK	<u>'S:</u>		
NON-CONTINUOUS	75	50		1.00				750]	1. CUTLE	R HAMME	R POW-R-LINE 2A OR	EQUAL.
FUTURE TENANT LOADS	86.	600		0.75				64,950	•	1				





PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

ID SET
ion



CONTRACTOR

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE ENGINEERING, INC. LANDSCAPE LANDSCAPE STRUCTURAL PMA ENGINEERING

PKMR ENGINEERS PLUMBING MECHANICAL PKMR ENGINEERS PKMR ENGINEERS ELECTRICAL

CONTRACTOR MW BUILDERS VAN TRUST REAL ESTATE, LLC DEVELOPER

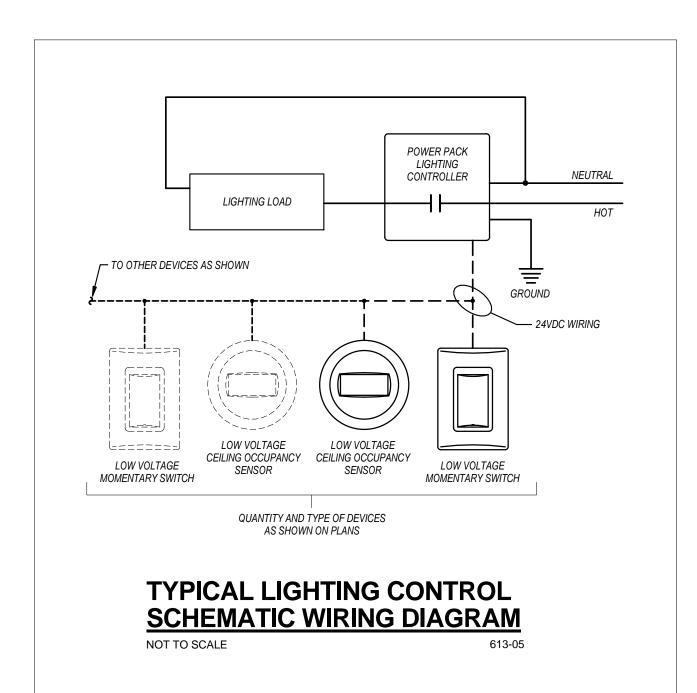


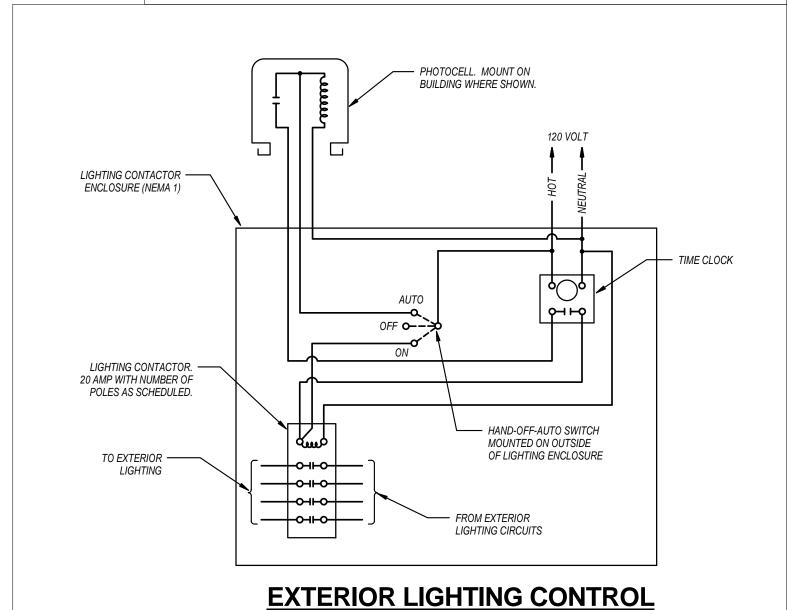
SHEET TITLE

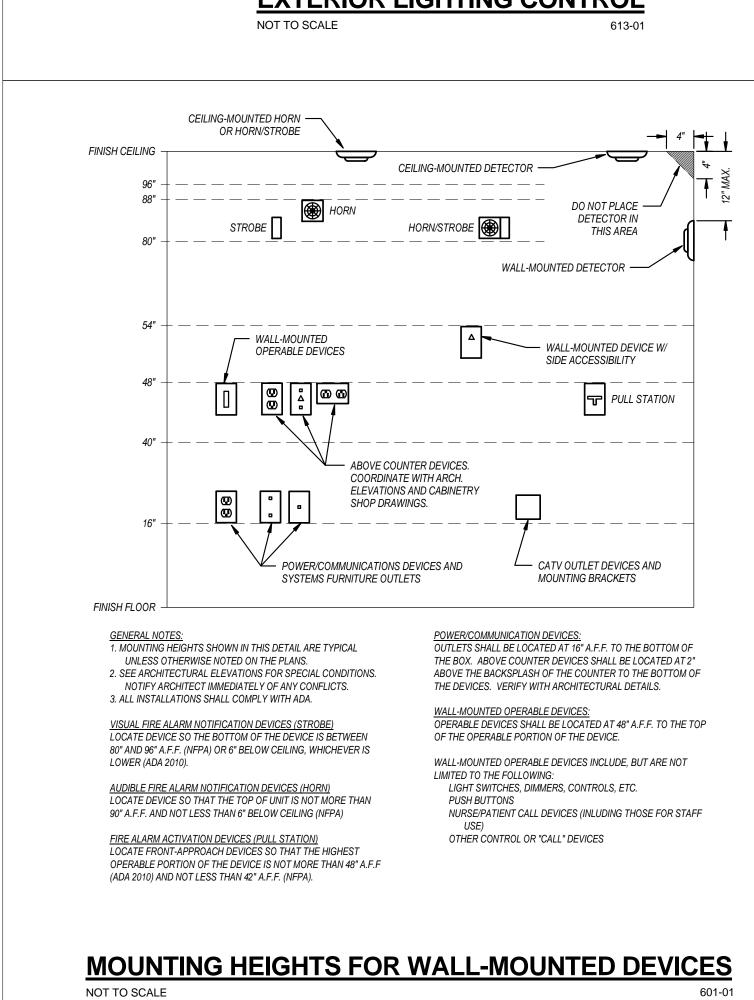
ELECTRICAL RISER DIAGRAM

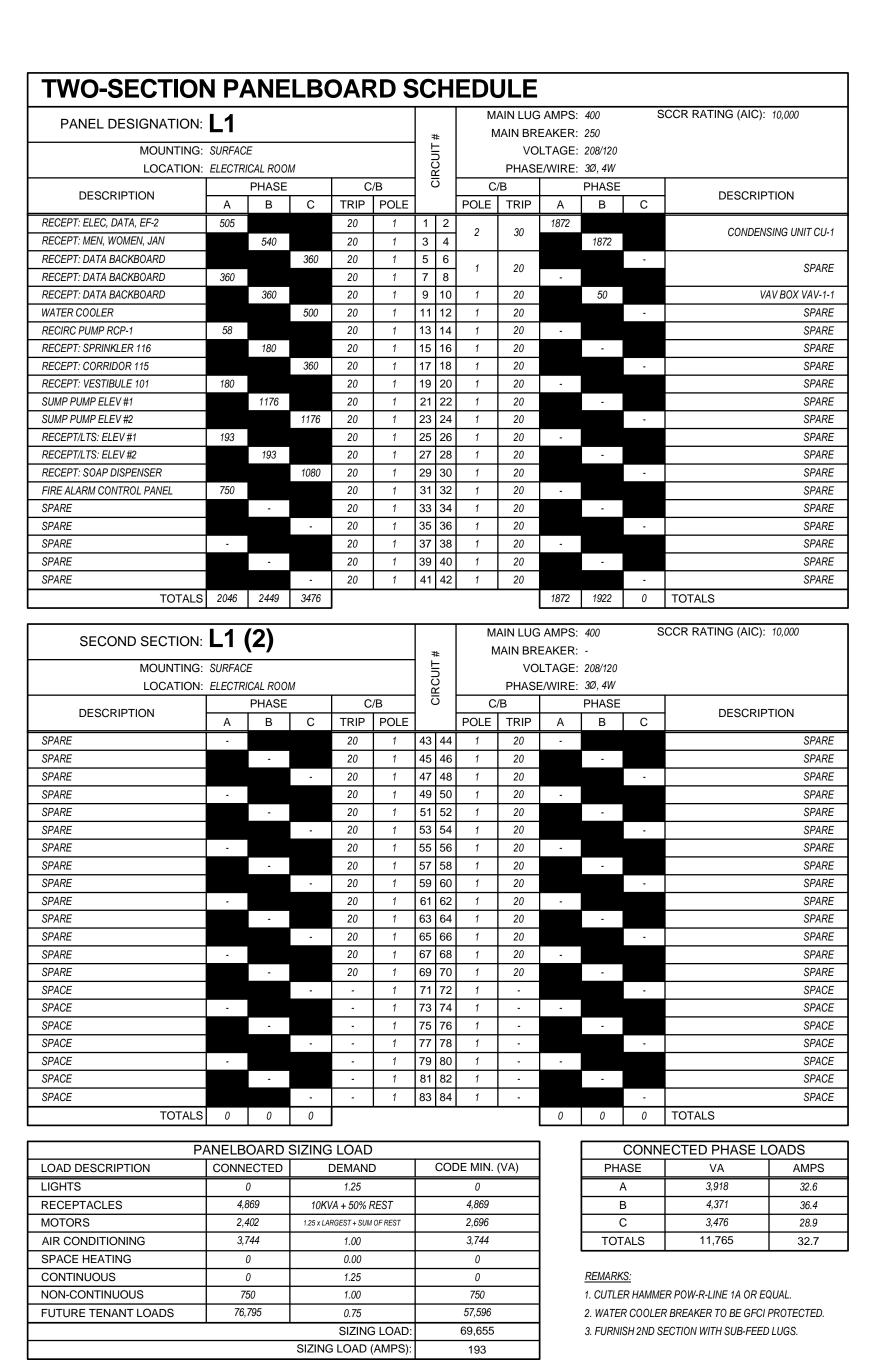
SHEET NUMBER

E3.01









DISCONNECT SWITCH SCHEDULE

MAINTAIN ALL REQUIRED CLEARANCES ABOUT DISCONNECT AND/OR EQUIPMENT.

MOUNT AT 36" TO BOTTOM OF DISCONNECT ABOVE ROOF/GRADE.

ELEVATOR DISCONNECT

POWER MODULE SWITCH

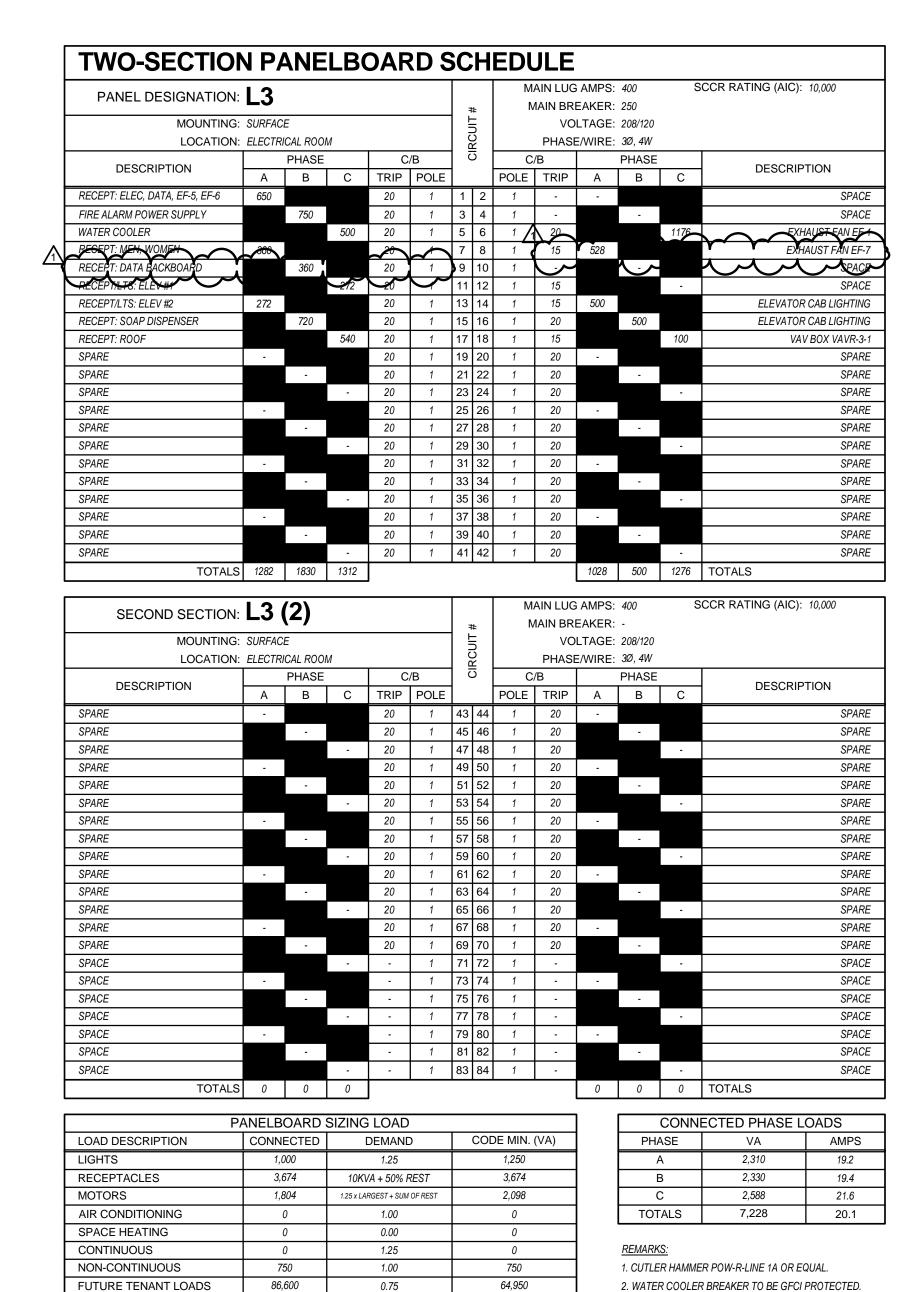
FLEVATOR DISCONNECT

SHUNT-TRIP DEVICE - CONNECT TO ELEVATOR CONTROLLER, COORDINATE ALL WORK WITH ELEVATOR INSTALLER.

MOUNTING SUPPRISE	PANEL DESIGNATION:	L2					١.	44.			AMPS: EAKER:		S	CCR RATING (AIC):	10,000
DESCRIPTION A F C TRUE FOLE TRUE A B C MAY BOX WITH THE ALL AND POLES TRUE ALL AND POLE ALL AND POL AND POLE ALL AND POLE ALL AND POLE ALL AND POLE ALL AND	MOUNTING:	SURFAC	Œ					=	"						
Description A S C Virgin Pole Pole Virgin A B C Old	LOCATION:	ELECTR	ICAL ROO	М			(ヹ ヹ		PHASE	E/WIRE:	3Ø, 4W			
A B C TRIP POLE TRIP A B C TRIP POLE TRIP A B C TRIP TRIP A B C TRIP	DESCRIPTION		PHASE		С	/B] 7	5	C/	/B		PHASE		DESCRIB	TION.
See Alane Profession 170		Α	В	С	TRIP	POLE			POLE	TRIP	Α	В	С	DESCRIP	IION
SECRY FAM NA MICHAEL STATE WATER COLOR FA SECRY MAN MICHAEL STATE WATER COL	RECEPT: ELEC, DATA, EF-3, EF-4	650			20	1	_	2	1	20	100			VAV	BOX VAVR-2
20			750		20	1	3	4	1			-			SPAR
## ATTER COLOR: ## ATTER COLOR				360		1	+	-	1				-		SPAR
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PAME	SPARE		-		20	1	15	16	1	20		-			SPAR
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SECOND SECTION: L2 (2) MAIN LUG AMPS: 400 SCCR RATING (AIC): 10,000				_			-	-					-		SPAR
SECOND SECTION: L2 (2) SURFACE		1010	1250	1080		<u> </u>	т				100	0	0	TOTALS	0,7,1,1
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MAIN BREAKER:		10	/ 2\				Т		М.	AINTUG	AMPS:	400	S	CCR RATING (AIC):	10.000
MOUNTING: SURFACE LOCATION: ELECTRICATIONS	SECOND SECTION:	LZ	(2)								_			(c).	. 0,000
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DESCRIPTION A B C TRIP POLE POLE TRIP A B C SPARE				Λ./			7	ე ე							
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DEMAND CODE MIN. (VA) PHASE VA AMP	SPARE SPARE SPACE	-		-		1 1 1 1 1 1 1 1	69 71 73 75 77 79 81	70 72 74 76 78 80 82	1 1 1 1 1 1 1	20 - - - - -	-		-		SPAR SPAC SPAC SPAC SPAC
DEMAND CODE MIN. (VA) PHASE VA AMP	SPARE SPARE SPACE	-	- - 0	-		1 1 1 1 1 1 1 1	69 71 73 75 77 79 81	70 72 74 76 78 80 82	1 1 1 1 1 1 1	20 - - - - -	-		-	TOTALS	SPAR SPAC SPAC SPAC SPAC SPAC
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AIR CONDITIONING 0 1.00 0 TOTALS 3,440 9.5 SPACE HEATING 0 0.00 0 CONTINUOUS 0 1.25 0 REMARKS: NON-CONTINUOUS 750 1.00 750 1. CUTLER HAMMER POW-R-LINE 1A OR EQUAL. FUTURE TENANT LOADS 86,665 0.75 64,999 2. WATER COOLER BREAKER TO BE GFCI PROTECTED SIZING LOAD: 68,464 3. FURNISH 2ND SECTION WITH SUB-FEED LUGS.	SPARE SPARE SPARE SPACE LOAD DESCRIPTION LIGHTS	- 0 ANELB	BOARD BECTED	- 0 SIZING	20 - - - - - - - - - 1.25	1 1 1 1 1 1 1 1 1	69 71 73 75 77 79 81 83	70 72 74 76 78 80 82 84	1 1 1 1 1 1 1 1 1	20	-	- 0 PHA	- 0 CONN	ECTED PHASE LO	SPAR SPAC SPAC SPAC SPAC SPAC SPAC SPAC SPAC
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	SPARE SPARE SPARE SPACE TOTALS LIGHTS RECEPTACLES MOTORS AIR CONDITIONING SPACE HEATING CONTINUOUS NON-CONTINUOUS	0 ANELB CONN 2,4	BOARD 0 0 590 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0 SIZING	20 - - - - - - - - - - - - -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	69 71 73 75 77 79 81 83	70 72 74 76 78 80 82 84	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2,590 125 0 0 750	20	-	- O PHA A E C TOT REMARK 1. CUTLE	- 0 CONNI SE A B C ALS ER HAMME	VA 1,110 1,250 1,080 3,440 ER POW-R-LINE 1A OR EG	SPAR SPAC SPAC SPAC SPAC SPAC SPAC SPAC SPAC
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	SPARE SPARE SPARE SPACE TOTALS PLOAD DESCRIPTION LIGHTS RECEPTACLES MOTORS AIR CONDITIONING SPACE HEATING CONTINUOUS NON-CONTINUOUS	0 ANELB CONN 2,4	BOARD 0 0 590 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0 SIZING [10KV 1.25 x LAI	20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	69 71 73 75 77 79 81 83	70 72 74 76 78 80 82 84	1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 2,590 125 0 0 0 750 64,999 68,464	20	-	- O PHA A E C TOT REMARK. 1. CUTLE. 2. WATER	CONN ASE ALS S: R HAMME	VA 1,110 1,250 1,080 3,440 R POW-R-LINE 1A OR EGRER BREAKER TO BE GFCIRE	SPAR SPAC SPAC SPAC SPAC SPAC SPAC SPAC SPAC

MAIN LUG AMPS: 400

TWO-SECTION PANELBOARD SCHEDULE



86,600

0.75

SIZING LOAD (AMPS):

SIZING LOAD:

64,950

72,722

TWO (2) 32W T8 FLUORESCENT

80 CRI, 3500K CCT.

LIMENS, 3500K CCT

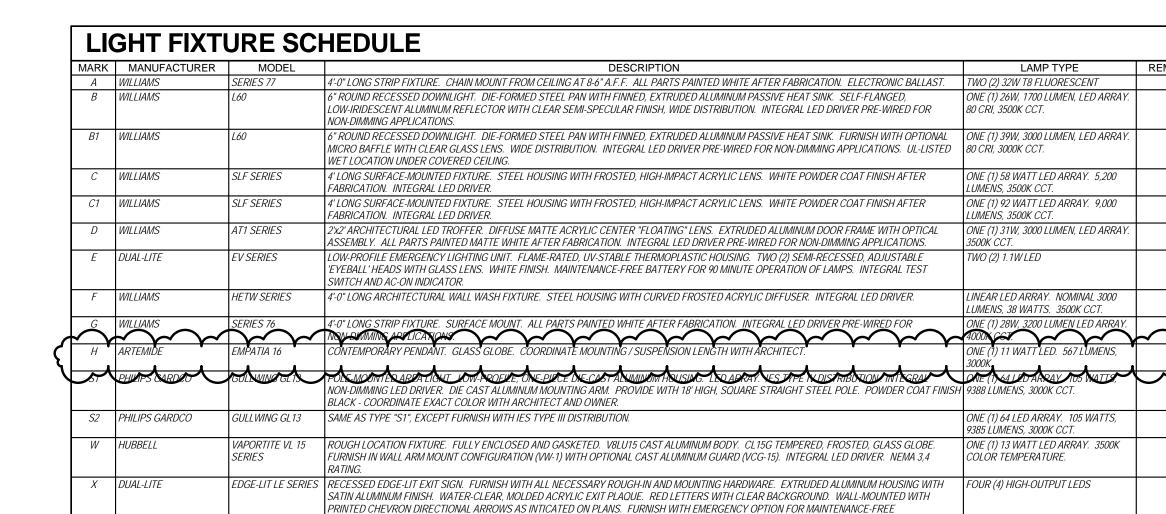
ONE (1) 31W, 3000 LUMEN, LED ARRAY

9385 LUMENS, 3000K CCT.

FOUR (4) HIGH-OUTPUT LEDS

2. WATER COOLER BREAKER TO BE GFCI PROTECTED.

3. FURNISH 2ND SECTION WITH SUB-FEED LUGS.



- FURNISH WITH AND INSTALL ALL NECESSARY HARDWARE AND MOUNTING BRACKETS. WHERE FIXTURE IS SHOWN TO BE ON EMERGENCY POWER (REFER TO SYMBOLS LIST), PROVIDE WITH IOTA ILB-CP10 (10W CONSTANT POWER EMERGENCY BATTERY PACK) OR APPROVED EQUAL.
- FURNISH FIXTURE WITH WIRE GUARD. REFER TO DETAIL(S) ON SHEET MEP1.01 FOR WORK AND ADDITIONAL ACCESSORIES REQUIRED FOR MOUNTING OF FIXTURE.
- GENERAL NOTES (APPLICABLE TO ALL FIXTURES): 1 ALL FIXTURES UTILIZING LINEAR FLUORESCENT LAMPS SHALL COMPLY WITH NEC 410.130(G) REQUIREMENTS FOR DISCONNECTING MEANS. CONTRACTOR SHALL SUPPLY SAME IF NOT STANDARD ON FIXTURE.

NICKEL-CADMIUM BATTERY FOR 2 HOUR OPERATION WITH INTEGRAL TEST SWITCH AND AC-ON LIGHT.

NICKEL-CADMIUM BATTERY FOR 2 HOUR OPERATION WITH INTEGRAL TEST SWITCH AND AC-ON LIGHT.

EDGE-LIT LE SERIES RECESSED EDGE-LIT EXIT SIGN. FURNISH WITH ALL NECESSARY ROUGH-IN AND MOUNTING HARDWARE. EXTRUDED ALUMINUM HOUSING WITH

SATIN ALUMINUM FINISH. WATER-CLEAR, MOLDED ACRYLIC EXIT PLAQUE. RED LETTERS WITH CLEAR BACKGROUND. CEILING MOUNTED WITH PRINTED CHEVRON DIRECTIONAL ARROWS AS INTICATED ON PLANS. FURNISH WITH EMERGENCY OPTION FOR MAINTENANCE-FREE

- ? ALL BALLASTS FOR FLUORESCENT FIXTURES SHALL BE ELECTRONIC PROGRAMMED START. 3 LUMENS LISTED FOR LED FIXTURES ARE GENERALLY DELIVERED LUMENS UNLESS NOTED OTHERWISE.

UL-924 LISTED EMERGENCY LIGHTING INVERTER. RATED FOR 90-MINUTE OPERATION AT SCHEDULED POWER.

PURE SINE WAVE OUTPUT.

INCLUDES TEST SWITCH AND INVERTER-ON AND RED CHARGING INDICATORS.

PHOTOCELL OFF HINGED FRONT COVER	MARK POLES VOLTAGE CIRCUIT PANELBOARD DESCRIPTION VOLTAGE PANEL & CIRCUITS CONTROLLED CONTROL RCS-1 4 120 1 L1 SITE LIGHTING 277 PHOTOCELL ON IMPROVED FRONT CONTROLLED PHOTO	KEI	MOT	E CO	NTROL	SWITCH	I SCHEDUI	LE						
RCS-1 4 120 1 L1 SITE LIGHTING 277 PHOTOCELL ON / TIMECLOCK OFF HINGED FRONT COVER RCS-2 4 120 1 L1 EXTERIOR EGRESS. LIGHTING 277 PHOTOCELL ON / PHOTOCELL ON / PHOTOCELL OFF HINGED FRONT COVER RCS-2 4 120 1 L1 EXTERIOR EGRESS. LIGHTING 277 PHOTOCELL OFF HINGED FRONT COVER RCS-2 4 120 1 L1 EXTERIOR EGRESS. LIGHTING 277 PHOTOCELL OFF HINGED FRONT COVER	RCS-1 4 120 1 L1 SITE LIGHTING 277 PHOTOCELL ON/ IMPRICACE OFF HINGED FRONT CONTROLLED RCS-2 4 120 1 L1 EXTERIOR EGRESS. LIGHTING 277 PHOTOCELL ON/ PHOTOCELL ON/ PHOTOCELL OFF HINGED FRONT CONTROLLED MARK MANUFACTURER MODEL RATED WATTAGE DESCRIPTION CIRCUIT(S) SERVED VOLTAGE REMARKS LIGHTING CONTROLLED MARK MANUFACTURER MODEL RATED WATTAGE DESCRIPTION CIRCUIT(S) SERVED VOLTAGE REMARKS	MARK										CONTROL		ENCLOSURE
RCS-2 4 120 1 L1 EXTERIOR EGRESS. LIGHTING 277 PHOTOCELL ON NEMA 1 WIMANUAL HOA SWITCH PHOTOCELL OFF HINGED FRONT COVER	RCS-2 4 120 1 L1 EXTERIOR EGRESS. LIGHTING 277 PHOTOCELL ON/ PHOTOCELL OFF HINGED FRONT CONTROL		POLES		CIRCUIT#					PANEL & CIRCUIT	S CONTROLLED			
PHOTOCELL OFF HINGED FRONT COVER	INVERTER SCHEDULE MARK MANUFACTURER MODEL RATED WATTAGE DESCRIPTION CIRCUIT(S) SERVED VOLTAGE REMARKS MODEL RATED WATTAGE DESCRIPTION CIRCUIT(S) SERVED VOLTAGE REMARKS	RCS-1	4	120	1	L1	SITE LIGHTIN	lG	277				I	
INVERTER SCHEDULE LIGHTING CONTROL DE	MARK MANUFACTURER MODEL RATED LOAD DATA VOLTAGE REMARKS MARK MANUFACTURER MODEL MARK MANUFACTURER MODEL	RCS-2	4	120	1	L1	EXTERIOR EGRESS. L	LIGHTING	277					
	MARK MANUFACTURER MODEL WATTAGE DESCRIPTION CIRCUIT(S) SERVED VOLTAGE REMARKS CEILING SENSORS		/EDI	FR S	CHEDI	JLE					LIG	HTING (CONT	TROL DE
	INV-1 IOTA IIS-375 375 W EXTERIOR EGRESS LIGHTING H1-# 277 V 1,2,3,4 M2 WATTSTOPPER DT-355 DUAL-7		1						J VOLTAGE I	REMARKS			MODEL	
WATTAGE DECORPTION CIRCUIT(S) CED/JED VOLTAGE TEMATION COLUMN CONCORC TEMATOR TEMA	THE TOTAL CONTROL OF THE PROPERTY OF THE PROPE		1					OCHIT(S) SEDVED	VOLTAGE	REMARKS			MODEL	

STRUCTURALCELLING		
CLEARANCE TO FRONT OF PANELBOARD IS FED AT 480V.		DEDICATED ELECTRICAL SPACE TO STRUCTURAL CEILING OR HARD CEILING. ONLY ELECTRICAL CONDUIT AND
WORKING CLEARANCES ZONE. LUMINAIRES, PIPING, DUCTWORK OR OTHER ITEMS SHALL NOT BE INSTALLED IN THE WORKING CLEARANCES.		CONDUCTORS SHALL BE PERMITTED TO PENETRATE THIS AREA. SURFACE MOUNTED OR RECESSED PANELBOARD DEDICATED ELECTRICAL SPACE TO
FLOOR NIIN.O.Z		FLOOR. ONLY ELECTRICAL CONDUIT AND CONDUCTORS SHALL BE PERMITTED TO PENETRATE THIS AREA. 3 1/2" HOUSEKEEPING PAD FOR MORE THAN (2) CONDUIT PENETRATIONS (SURFACE MOUNTED PANELBOARDS ONLY)
30" NEED NOT BE CENTERED ON PANEL BUT MUST ENCOMPASS ENTIRE PANEL	COORDINATE ALL WORK WITH OTHER TRADES. MAINTAIN ALL OTHER NEC CLEARANCES AND REQUIREMENTS.	
TYPICAL PANEL	BOARD INSTALL	ATION DETAIL 623-01

IEAVY-DUTY DISCONNECT SWITCH

LEVATOR DISCONNECT SWITCH

LEVATOR DISCONNECT SWITCH

EXACT LOCATION OF ELEVATOR DISCONNECT TO BE PER ALL APPLICABLE STATE AND LOCAL CODES, INCLUDING APPLICABLE SECTIONS OF THE NEC AND ANSI. COORDINATE WITH ELEVATOR INSTALLER

LIGHTING CONTROL DEVICE SCHEDULE				
MARK	MANUFACTURER	MODEL	DESCRIPTION	
CEILING SENSORS				
M2	WATTSTOPPER	DT-355	DUAL-TECHNOLOGY CEILING SENSOR. LINE VOLTAGE.	
WALL SENSORS				
M2	WATTSTOPPER	DSW-100	DUAL-TECHNOLOGY WALL SENSOR. LINE VOLTAGE.	

VAN TRUST REAL ESTATE, LLC 4900 Main St., Suite 400

Kansas City, MO 64112

PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE

LEAWOOD, KANSAS 66211

05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

05.30.18 Addendum #1

REGISTRATION



CONTRACTOR

PROJECT TEAM

FINKLE+WILLIAMS

ARCHITECTURE CIVIL ENGINEERING, INC. LANDSCAPE LANDSCAPE

STRUCTURAL PMA ENGINEERING PLUMBING PKMR ENGINEERS

ARCHITECT

MECHANICAL PKMR ENGINEERS ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS VAN TRUST

REAL ESTATE, LLC

DEVELOPER

PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC 13300 W 98TH STREET LENEXA, KS 66215 WWW.PKMRENG.COM 913.492.2400

SHEET TITLE

ELECTRICAL SCHEDULES/ **DETAILS**

PERFORM INSPECTIONS DURING CONSTRUCTION, BASED ON REQUIREMENTS OF ONE OR

THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF THE WORK. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS TO THE JOB SITE AND ITEMS TO BE INSPECTED. SAFE ACCESS INCLUDES BUT IS NOT LIMITED TO LADDERS. SCAFFOLDING AND/OR CONTRACTOR OPERATED LIFTS AS REQUIRED FOR SITE OBSERVATION.

SPECIAL INSPECTOR SHALL PROVIDE BI-WEEKLY SPECIAL INSPECTION REPORTS AND SHALL DISTRIBUTE THESE REPORTS TO THE BUILDING OFFICIAL, OWNER, CONTRACTOR, ARCHIECT, STRUCTURAL ENGINEER OF RECORD, AND MECHANICAL/ELECTRICAL/PLUMBING ENGINEER OF RECORD. SPECIAL INSPECTION REPORTING SHALL BE IN ACCORDANCE WITH SECTION 1704.2.4 OF THE 2012 IBC.

F. ALL DISCREPANCIES NOTED DURING INSPECTIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR. IF LEFT UNCORRECTED, THESE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE APPROPRIATE DESIGN PROFESSIONALS AND/OR BUILDING OFFICIAL. THE INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE CONTRACT

STRUCTURAL ENGINEER SITE OBSERVATIONS:

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCES.

THE ENGINEER SHALL NOT HAVE CONTROL NOR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF PMA ENGINEERING IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK. BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.

REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, ELEVATOR, AND CIVIL DRAWINGS FOR OTHER PERTINENT INFORMATION RELATED TO THE STRUCTURAL WORK AND COORDINATE AS REQUIRED. THESE STRUCTURAL DRAWINGS ARE INTENDED TO BE UTILIZED AS A COMPLETE SET OF DOCUMENTS THAT REPRESENT THE BUILDING'S STRUCTURAL SYSTEMS. NO SINGLE SHEET OR SERIES OF SHEETS IS INTENDED TO "STAND ALONE." THESE STRUCTURAL DRAWINGS ARE INTENDED TO BE INCLUDED IN A COMPLETE SET OF CONSTRUCTION DOCUMENTS, INCLUDING, $\,$ BUT NOT LIMITED TO: ARCHITECTURAL DRAWINGS, CIVIL DRAWINGS, AND MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. CONTRACTOR SHALL VERIFY COORDINATION OF THESE DRAWINGS WITH CONTENTS OF ABOVE DRAWING SETS SPECIFIED AND ONLY PROCEED WITH BIDDING AND CONSTRUCTION AFTER SUCH HAS TAKEN PLACE.

DETAILS LABELED "TYP" OR "TYPICAL" ARE TO BE APPLIED AT LOCATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY INDICATED. WHERE A DETAIL IS NOT INDICATED, THE DETAIL SHALL BE THE SAME AS FOR SIMILAR CONDITIONS OR AS SHOWN IN THE "TYPICAL DETAILS."

THE BUILDING IS NOT STRUCTURALLY STABLE UNTIL ALL CONNECTIONS, GRAVITY AND LATERAL FRAMING, DIAPHRAGMS, PERMANENT BRACING, AND METAL DECKING ARE COMPLETE AND HAVE ACHIEVED THEIR DESIGN STRENGTH. CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING STRUCTURAL STABILITY DURING ERECTION AND CONSTRUCTION. TEMPORARY BRACING SYSTEMS ARE NOT TO BE REMOVED UNTIL STRUCTURAL WORK IS COMPLETE. REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60, EXCEPT WELDED REINFORCING WHICH SHALL BE ASTM A706 GRADE 60.

 ALL WELDED WIRE FABRIC SHALL BE ASTM A185 AND A82 COLD DRAWN WIRE. ALL ACCESSORIES FOR SUPPORTING REINFORCING SHALL BE GALVANIZED OR HAVE PLASTIC-COATED FEET.

PROVIDE CORNER BARS AT THE EXTERIOR FACE OF ALL WALL AND FOOTING CORNERS EQUAL TO HORIZONTAL BARS.

PROVIDE AT LEAST TWO VERTICAL #5 BARS AT ALL STEPS IN FOUNDATION WALLS, FOOTINGS, AND GRADE BEAMS.

REINFORCING SHALL BE DETAILED, FABRICATED, PLACED, AND SUPPORTED IN ACCORDANCE WITH ACI 315, LATEST EDITION.

FOR GENERAL JOB USE AS DIRECTED BY THE ENGINEER. 10 - #5 X 30-0

G. THE FOLLOWING ADDITIONAL REINFORCING STEEL SHALL BE PROVIDED IN STOCK LENGTHS

STANDARD COVERAGE OF REINFORCING, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS: CAST AGAINST EARTH, PERMANENTLY EXPOSED TO WEATHER

EXPOSED TO EARTH AND WEATHER (FORMED) NOT EXPOSED TO EARTH OR WEATHER: SLABS, WALLS I. ALL LAP SPLICES SHALL BE CLASS B UNLESS NOTED OTHERWISE

FOR REINFORCING BAR LAP LENGTHS IN CONCRETE, SEE TABLE 2/S0.02. 11. CONCRETE:

CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE BUILDING CODE REQUIREMENTS, INDUSTRY GUIDES, AND REFERENCE STANDINGS INCLUDING, BUT NOT LIMITED TO:

a. ACI 301 – SPECIFICATIONS FOR STRUCTURAL CONCRETE ACI 305R – GUIDE TO HOT WEATHER CONCRETING ACI 306R - GUIDE TO COLD WEATHER CONCRETING

ACI 318 – STRUCTURAL CONCRETE BUILDING CODE ACI 347 – GUIDE TO FORMWORK FOR CONCRETE ACI SP-66 – ACI DETAILING MANUAL AWS D1.4 - STRUCTURAL WELDING CODE - REINFORCING STEEL

CRSI – MANUAL OF STANDARD PRACTICE

ALL CONCRETE, UNLESS NOTED OTHERWISE, SHALL DEVELOP A 28 DAY COMPRESSIVE STRENGTH AND HAVE MAXIMUM WATER/CEMENT RATIOS AS FOLLOWS:

FOOTINGS, PIERS, GRADE BEAMS, FOUNDATION WALLS 4,500 PSI (w/c < 0.45) WALLS 4,000 PSI (w/c < 0.48) SLABS-ON-GRADE 4,000 PSI (w/c < 0.44)

SLABS 4,000 PSI (w/c < 0.44) C. CONCRETE EXPOSED TO WEATHER, VEHICLES, AND/OR DEICING CHEMICALS SHALL BE AIR-ENTRAINED WITH 6% (+/-) 1.5% ENTRAINED AIR BY VOLUME AT POINT OF DISCHARGE. DO NOT ALLOW AIR CONTENT OF TROWELED FINISHED FLOORS TO EXCEED 3%.

NORMAL WEIGHT AGGREGATES SHALL COMPLY WITH ASTM C33 STANDARD SPECIFICATION FOR CONCRETE AGGREGATES. COARSE AGGREGATE SHALL MEET THE DELETERIOUS SUBSTANCE AND PHYSICAL PROPERTIES REQUIREMENTS OF ASTM C33. TABLE 4 FOR CLASS DESIGNATION 3S OR BETTER. FINE AGGREGATE SHALL CONFORM TO ASTM C33.

0.055% MEASURED AT 28 DAYS AFTER CURING IN LIME WATER AS DETERMINED BY ASTM C157 USING AIR STORAGE. F. THE CONCRETE SLAB-ON-GRADE AND ELEVATED SLABS HAVE BEEN DESIGNED FOR THE FINAL USE AND NOT FOR CONSTRUCTION CONSIDERATIONS. CONTRACTOR SHALL COORDINATE THE SLAB DESIGN WITH CONSTRUCTION NEEDS. THE SLAB DESIGN INDICATED ON THESE DRAWINGS

E. ALL CONCRETE SHALL BE PROPORTIONED FOR A MAXIMUM ALLOWABLE UNIT SHRINKAGE OF

IS TO BE CONSIDERED A MINIMUM. SUBMIT CHANGES TO THE SLAB DESIGN TO THE ENGINEER OF RECORD FOR REVIEW. G. IT IS THE INTENT OF THESE CONCRETE SPECIFICATIONS THAT THE CONTRACTOR SUPPLY CONCRETE MIXES WITH A MINIMUM AMOUNT OF WATER IN ORDER TO LIMIT PLASTIC SHRINKAGE CRACKING IN FRESHLY PLACED CONCRETE. IT IS EXPECTED THAT $\,$ PRODUCING

WORKABILITY FOR CONCRETE MIXES WILL REQUIRE THE ADDITION OF WATER-REDUCING AND/OR

SUPER-PLASTICIZING CHEMICAL ADMIXTURES. H. CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD PRIOR TO USE OF SELF-CONSOLIDATING CONCRETE MIX.

CONCRETE SLUMP SHALL BE A MAXIMUM OF 4" +/- 1" (ASTM C143) AS DELIVERED IN THE FIELD. CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY.

J. NO WATER MAY BE ADDED TO THE CONCRETE MIX ON SITE.

K. FLY ASH MAY BE USED AT A RATE NOT TO EXCEED 25% OF THE TOTAL CEMENT CONTENT. L. CHAMFER ALL EXPOSED CORNERS OF CONCRETE WALLS, BEAMS, AND COLUMNS 3/4".

M. ALL CONTROL JOINTS IN CONCRETE SLABS-ON-GRADE SHALL BE CUT TO 1/3 OF THE DEPTH. CUT JOINTS AS SOON AS POSSIBLE AFTER CONCRETE HAS BEEN PLACED WITHOUT DISLODGING AGGREGATE OR USE KEYED COLD JOINT.

N. THE UNIT POUR FOR SLABS AND WALLS SHALL NOT EXCEED 100 LINEAL FEET IN ANY ONE DIRECTION. CUT SLABS TO 1/3 THE DEPTH ON GRID LINES INTO AREAS OF ABOUT 150

PRIOR TO PLACING CONCRETE IN ANY LOCATION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THOROUGHLY CHECKED AND COORDINATED ALL DIMENSIONS, ELEVATIONS. OPENINGS, RECESSES, AND BLOCKOUTS SHOWN ON THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS. IN THE EVENT ERRORS, CONFLICTS, OR OMISSIONS EXIST, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE ARCHITECT OR ENGINEER FOR NECESSARY CORRECTIVE ACTION.

EMBEDDED ITEMS ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR PRIOR TO PLACING CONCRETE.

Q. ANCHOR RODS SHALL BE HELD IN PLACE WITH A RIGID TEMPLATE.

12. STRUCTURAL STEEL A. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN, LATEST EDITION, AND AISC "CODE OF STANDARD PRACTICE."

B. ALL STRUCTURAL STEEL FOR WIDE FLANGE AND WT SHAPES SHALL BE ASTM A992, GRADE 50. UNLESS NOTED OTHERWISE ON THE PLANS. ALL ANGLES. PLATES. AND CHANNELS SHALL BE ASTM A36 UNLESS NOTED OTHERWISE. ALL RECTANGULAR AND ROUND HSS SHAPES SHALL BE ASTM A500, GRADE B.

C. THE STEEL FABRICATOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL BEAM CONNECTIONS AND BRACING CONNECTIONS NOT COMPLETELY DESIGNED ON THESE DOCUMENTS FOR THE LOADS SHOWN ON THESE DOCUMENTS. LOADS AND REACTIONS SHOWN ON THESE DOCUMENTS ARE NON-FACTORED WORKING STRESS VALUES (ASD). CONNECTIONS MAY BE BOLTED OR WELDED.

a. GENERALLY, THE CONNECTIONS SHOWN ON THESE DOCUMENTS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOWN THE RELATIONSHIP OF THE MEMBERS CONNECTED. ANY CONNECTION THAT IS NOT SHOWN OR IS NOT COMPLETELY DESIGNED ON THESE DOCUMENTS SHALL BE DESIGNED BY THE FABRICATOR.

b. IT IS THE RESPONSIBILITY OF THE FABRICATOR TO PROVIDE ALL COMPONENTS OF THE CONNECTION REQUIRED FOR A COMPLETE DESIGN. THESE COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO, STIFFENER PLATES, DOUBLER PLATES, ETC., AS MAY BE REQUIRED IN ADDITION TO THOSE SHOWN ON THE STRUCTURAL SCHEMATIC DETAILS TO ENSURE THAT THE MEMBERS CONNECTED TOGETHER HAVE ADEQUATE STRENGTH FOR LOADS SHOWN AT THE CONNECTION.

COMPLETELY DESIGNED SHALL MEAN THE FOLLOWING INFORMATION IS SHOWN ON THESE DOCUMENTS:

ALL PLATE DIMENSIONS AND GRADES ALL WELD SIZES, LENGTHS, PITCHES, AND RETURNS QUANTITY AND SIZE OF BOLTS. WHERE BOLTS ARE SHOWN BUT NO NUMBER IS

GIVEN, THE CONNECTION HAS NOT BEEN COMPLETELY DESIGNED. 4. ALL HOLE SIZES AND SPACINGS WHERE PARTIAL INFORMATION IS GIVEN, IT SHALL BE THE MINIMUM REQUIREMENT FOR THE CONNECTION.

CONNECTIONS SHOWN IN DETAILS X/SXXX ARE CONSIDERED TO BE FULLY DESIGNED BY THE ENGINEER OF RECORD. THESE CONNECTIONS SHALL BE DETAILED BY THE FABRICATOR BUT DO NOT REQUIRE ADDITIONAL DESIGN BY THE FABRICATOR'S ENGINEER. CONNECTIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT AND RETAINED BY THE FABRICATOR. THE PROFESSIONAL

ENGINEER EMPLOYED BY THE FABRICATOR FOR CONNECTION DESIGN SHALL BE EXPERIENCED IN THE SPECIFIC AREA OF STRUCTURAL STEEL CONNECTIONS DESIGN AND DEMONSTRATED EXPERIENCE OF NOT LESS THAN THREE PROJECTS OF SIMILAR SCOPE AND

PRIOR TO FABRICATION, PROVIDE DESIGN CALCULATIONS FOR TYPICAL BEAM CONNECTIONS, ALL PRIMARY BRACING AND HANGAR CONNECTIONS. CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. CALCULATIONS WILL BE RETAINED BY THE ENGINEER OF RECORD AS RECORD COPY AND WILL NOT BE RETURNED.

D. ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM UNLESS NOTED OTHERWISE ON DRAWINGS. SLIP CRITICAL CONNECTIONS OF A325SC OR A490SC BOLTS SHALL BE USED FOR ALL BOLTED CONNECTIONS OF BRACING MEMBERS, MOMENT CONNECTIONS, CANTILEVERS, AND AS SHOWN ON THESE DOCUMENTS.

b. ALL OTHER CONNECTIONS SHALL BE SNUG-TIGHTENED BEARING TYPE USING A MINIMUM OF TWO A325N OR A490N BOLTS.

E. ALL STRUCTURAL STEEL WELDS IN THE SHOP OR IN THE FIELD SHALL BE PERFORMED BY A QUALIFIED WELDER AND SHALL CONFORM TO THE CURRENT REQUIREMENTS OF AWS.

G. FILLET WELDS NOT SPECIFICALLY SIZED IN THESE DOCUMENTS SHALL BE THE MINIMUM SIZE IN ACCORDANCE WITH AWS D1.1, LATEST EDITION, DEPENDENT ON THE THINNER PART JOINED,

SHOP WELDED AND FIELD BOLTED CONNECTIONS ARE PREFERRED, UNLESS OTHERWISE

H. WELDING ELECTRODES SHALL BE E70XX.

STEEL JOISTS SHALL BE FABRICATED AND ERECTED (INCLUDING BRIDGING) IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE STEEL JOIST INSTITUTE AND ALL OSHA REQUIREMENTS. JOISTS SHALL BE 2-1/2" BEARING DEPTH FOR K SERIES JOISTS. DESIGN AND WELD JOISTS FOR THE FOLLOWING NOMINAL WIND PRESSURES AT ULTIMATE LOAD LEVEL (LRFD ASD SERVICE): 25 PSF NET UPLIFT IN FIELD, 31 NET UPLIFT WITHIN 10 FEET OF EDGES AND 31 PSF NET UPLIFT WITHIN 10 FEET OF CORNERS. AT A MINIMUM, ENDS OF BRIDGING SHALL HAVE DIAGONAL CROSS BRACING BETWEEN THE LAST TWO JOISTS IN ADDITION TO HORIZONTAL BRIDGING.

J. STEEL JOIST MANUFACTURER SHALL DESIGN TOP CHORD EXTENSIONS FOR THE CONCENTRATED LOAD SHOWN ON THESE DOCUMENTS IN ADDITION TO THE UNIFORM LOAD FROM THE LOAD TABLE FOR THE SPAN OF THE JOIST. JOIST TOP CHORD EXTENSION DETAILS IN THESE DOCUMENTS ARE SHOWN FOR REFERENCE ONLY. JOIST MANUFACTURER SHALL DETERMINE IF THE EXTENSION SHALL BE A TYPE "S" OR "R." JOIST MANUFACTURER SHALL CONTACT ENGINEER IF IT IS NOT POSSIBLE TO MEET THE SPECIFIC JOB REQUIREMENTS WITH A 2-1/2" DEEP EXTENSION FOR K SERIES JOISTS OF 5" DEEP EXTENSIONS FOR LH SERIES JOISTS.

K. PERMANENT CORRUGATED SLAB FORMS SHALL BE FABRICATED FROM ASTM A1008 PRIME PAINTED OR ASTM A653 GALVANIZED STEEL WITH A MINIMUM YIELD STRENGTH OF 33 KSI. DECK PROFILE AND GAGE SHALL BE AS CALLED FOR ON FRAMING PLANS. WHERE GALVANIZED DECK IS CALLED FOR, PROVIDE G30 GALVANIZATION MINIMUM. WHERE PAINTED AND PHOSPHATE TREATED DECK IS CALLED FOR, PROVIDE THE TOP SURFACE PHOSPHATIZED AND UNPAINTED. THE BOTTOM SURFACE SHALL BE SHOP PRIMED WITH A GRAY OR WHITE BAKED ON, LEAD AND CHROMATE-FREE RUST-INHIBITIVE PRIMER COATING COMPLYING WITH THE REQUIREMENTS OF ES TT-P-664. PROVIDE DECK IN TRIPLE SPAN CONDITION MINIMUM. SIDELAP ATTACHMENT SHALL BE WELDS. CRIMP OR BUTTON PUNCH SIDELAP ATTACHMENTS ARE NOT ALLOWED.

STEEL ROOF DECK SHALL BE 1-1/2", WIDE RIB, 22 GAGE, WITH NESTED SIDELAPS, ATTACHED TO SUPPORTS PER DETAIL 9/S0.05. PROVIDE DECK IN TRIPLE SPAN CONDITION MINIMUM. M. STEEL COMPOSITE FLOOR DECK SHALL BE MANUFACTURED FROM ASTM A1008 (USE ASTM

A653 FOR GALVANIZED) GRADE D MINIMUM. DECK PROFILE AND GAGE SHALL BE AS CALLED FOR ON FLOOR FRAMING PLANS. WHERE GALVANIZED DECK IS CALLED FOR. PROVIDE G60 GALVANIZATION MINIMUM, WHERE PAINTED AND PHOSPHATE TREATED DECK IS CALLED FOR PROVIDE THE TOP SURFACE PHOSPHATIZED AND UNPAINTED. THE BOTTOM SURFACE SHALL BE SHOP PRIMED WITH A GRAY OR WHITE BAKED ON, LEAD AND CHROMATE-FREE, RUST-INHIBITIVE PRIMER COATING COMPLYING WITH THE REQUIREMENTS OF FS TT-P-664. PROVIDE DECK IN TRIPLE SPAN CONDITION MINIMUM. SIDELAP ATTACHMENT SHALL BE WELDS. CRIMP OR BUTTON PUNCH SIDELAP ATTACHMENTS ARE NOT ALLOWED.

N. SHEAR CONNECTORS SHALL BE ASTM A108 GRADES 1010 THOUGH 1020 HEADED STUD TYPE, COLD FINISHED CARBON STEEL, AWS D1.1, TYPE "B," WITH ARC SHIELDS.

O. ALL OPENINGS IN ROOF OVER 8" IN ANY DIRECTION SHALL HAVE AN L3x3x1/4 ANGLE FRAME (4 SIDES) BETWEEN JOISTS, UNLESS NOTED OTHERWISE ON DRAWINGS.

P. PROVIDE AN L4x4x1/4 ANGLE BETWEEN JOISTS AT EACH EDGE OF RTU. COORDINATE LOCATION WITH MECHANICAL

Q. ROOF EDGE ANGLES AND BENT PLATES INDICATED IN THESE DOCUMENTS TO BE CONTINUOUS SHALL BE FIELD SPLICED AS SHOWN IN THE TYPICAL DETAILS. R. THE CONTRACTOR SHALL PROVIDE SHELF ANGLES, GLASS SUPPORTS, LINTELS, AND OTHER MISCELLANEOUS STEEL, AS SHOWN ON THE DRAWINGS, AND AS REQUIRED TO

PROVIDE SUPPORT (STABILIZATION) AROUND AND THROUGHOUT THE BUILDING. NOT

ADDITIONAL MISCELLANEOUS STEEL DETAILS. S. ALL BRICK LEDGER ANGLES AND LINTEL BEAMS WITHIN EXTERIOR WALLS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123.

EVERY DETAIL IS SHOWN. SEE ARCHITECTURAL AND ELEVATOR DRAWINGS FOR

14. POST-INSTALLED ANCHORAGE: A. DESIGN OF ALL POST-INSTALLED ANCHORAGE SHALL BE IN ACCORDANCE WITH ACI 318 APPENDIX D AND SHALL CONSIDER CRACKED CONCRETE CONDITIONS.

B. ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED BY TRAINED PERSONNEL PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) AS SHOWN IN THE CORRESPONDING ICC-ESR REPORT AND INCLUDED IN THE ANCHOR PACKAGING.

C. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS. SPECIFIED. THE ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL POST-INSTALLED ANCHORAGE ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

D. ADHESIVE ANCHORS SUPPORTING SUSTAINED TENSION LOADS THAT ARE ORIENTED HORIZONTALLY OR UPWARDLY INCLINED SHALL BE INSTALLED BY PERSONNEL CERTIFIED BY 16. FOUNDATIONS: AN APPLICABLE CERTIFICATION PROGRAM SUCH AS THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM AN APPLICABLE CERTIFICATION PROGRAM SHALL. INCLLIDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI CERTIFICATION PROGRAM AND SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO INSTALLATION.

E. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. EXISTING REINFORCING BARS SHALL NOT BE CUT UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY FERROSCAN, GPR, X-RAY, OR OTHER MEANS PRIOR

F. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.

G. EMBEDMENT DEPTH FOR MECHANICAL EXPANSION ANCHORS SHALL BE DEFINED AS THE DISTANCE FROM THE SURFACE OF THE LOAD BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR WHICH TENSION LOAD IS TRANSFERRED TO THE CONCRETE. MEASURED PRIOR TO APPLYING TORQUE TO THE ANCHOR.

H. EMBEDMENT DEPTH FOR ADHESIVE AND SCREW TYPE ANCHORS SHALL BE DEFINED AS THE DISTANCE FROM THE SURFACE OF THE LOAD BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN INSTALLED INTO THE HOLE. ADHESIVE ANCHORING SYSTEMS SHALL BE ACCEPTABLE FOR LONG-TERM LOADING. ONLY

NON-EPOXY (HYBRID) BASED ADHESIVES SHALL BE INSTALLED WHEN BASE MATERIAL TEMPERATURES ARE BELOW 40 DEGREES F. J. POST-INSTALLED ANCHORAGE SHALL ONLY BE USED WHERE SPECIFIED ON THESE

DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO USING POST-INSTALLED ANCHORAGE FOR MISSING OR MIS-LOCATED CAST-IN-PLACE ANCHORS. 17. SUBMITTALS. CARE SHALL BE TAKEN TO AVOID CONFLICTS WITH EXISTING REINFORCING BARS.

K. STAINLESS STEEL ANCHORS ARE REQUIRED AT ALL EXPOSED LOCATIONS.

FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW OR ON THE DRAWINGS, CONTRACTOR SHALL SUBMIT DATA SUBSTANTIATING THE SUBSTITUTED PRODUCT PERFORMANCE VALUES. (POST-INSTALLED ANCHOR SUBSTITUTIONS SHALL BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO THEIR USE.)

M. SUBMITTALS ARE THE CONTRACTOR'S RESPONSIBILITY AND MUST INCLUDE EVALUATION REPORTS FROM THE INTERNATIONAL CODE COUNCIL (ICC-ES EVALUATION REPORT). N. CONCRETE ANCHORS

MECHANICAL ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:

HILTI KWIK BOLT TZ EXPANSION ANCHOR (ICC-ES ESR-1917) HILTI HSL-3 HEAVY DUTY EXPANSION ANCHOR (ICC-ES ESR-1545)

HILTI HDA UNDERCUT ANCHOR (ICC-ES ESR-1546) HILTI KWIK HUS EZ SCREW ANCHOR (ICC-ES ESR-3027) SIMPSON STRONG-TIE STRONG-BOLT 2 WEDGE ANCHOR (ICC-ES ESR-3037)

SIMPSON STRONG-TIE TITEN-HD SCREW ANCHOR (ICC-ES ESR-2713) ADHESIVE ANCHORING SYSTEMS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308. PRE-APPROVED ADHESIVE ANCHORING SYSTEMS INCLUDE:

HILTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM (ICC-ES ESR-3187) HILTI HIT-RE 500-SD ADHESIVE ANCHORING SYSTEM (ICC-ES ESR 2322) SIMPSON STRONG-TIE SET 3G ADHESIVE ANCHOR SYSTEM (ICC-ES ESR- 4057)

O. MASONRY ANCHORS

a. ANCHORAGE TO SOLID-GROUTED MASONRY

1. MECHANICAL AND SCREW TYPE ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106. PRE-APPROVED MECHANICAL AND CONCRETE SCREW ANCHORS INCLUDE:

HILTI KWIK HUS EZ SCREW ANCHOR (ICC-ES ESR-3056)

HILTI KWIK BOLT 3 EXPANSION ANCHOR (ICC-ES ESR 1385) SIMPSON STRONG-TIE WEDGE-ALL ANCHOR (ICC-ES ESR-1396) SIMPSON STRONG-TIE TITEN-HD SCREW ANCHOR (ICC-ES ESR-1056)

ADHESIVE ANCHORING SYSTEMS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED ADHESIVE ANCHORING SYSTEMS INCLUDE:

HILTI HIT-HY 70 ADHESIVE ANCHORING SYSTEM (ICC-ES ESR-2682) ii. SIMPSON STRONG-TIE SET-XP ADHESIVE ANCHOR SYSTEM (ICC-ES ESR-1772)

ANCHORAGE TO HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY 1. SCREW TYPE ANCHORS FOR USE IN HOLLOW CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106. PRE-APPROVED

SCREW ANCHORS INCLUDE: i. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-1056)

ADHESIVE ANCHORING SYSTEMS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED ADHESIVE ANCHORING SYSTEMS WITH SCREEN

i. HILTI HIT-HY 70 ADHESIVE ANCHORING SYSTEM (ICC-ES ESR-2682) - FOR HOLLOW BRICK AND CMU

ii. HILTI HIT-HY 70 ADHESIVE ANCHORING SYSTEM (ICC-ES ESR-3342) - FOR **UNREINFORCED MASONRY** iii. SIMPSON STRONG-TIE SET ADHESIVE ANCHOR SYSTEM (ICC-ES ESR-1772)

A. ALL LIGHT GRADE METAL FRAMING AND CONNECTIONS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND NAAMM ML/SFA 540 "LIGHTWEIGHT STEEL FRAMING SYSTEMS

B. ALL LIGHT GAGE METAL FRAMING IDENTIFICATION SHOWN IN THESE DOCUMENTS IS IN ACCORDANCE WITH THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA)

15. LIGHT GAGE METAL FRAMING:

C. ALL STRUCTURAL MEMBERS SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653, GRADE 60 MINIMUM. STEEL MATERIAL SHALL HAVE A MINIMUM YIELD STRESS OF 33 KSI EXCEPT MEMBERS OF 54 MIL THICKNESS OR HEAVIER SHALL HAVE A MINIMUM YIELD STRESS OF 50 KSI. D. ALL CONNECTIONS SHALL BE MADE WITH A MINIMUM OF (4) #10-16 SCREWS OR EQUIVALENT

E. ALL SCREWS SHALL BE OF THE DIAMETER AND SIZE INDICATED ON THE DRAWINGS. MINIMUM

SHANK DIAMETER, UNLESS NOTED OTHERWISE ON THE DRAWINGS. SCREW PENETRATION

THROUGH JOINED MATERIALS SHALL NOT BE LESS THAN THREE EXPOSED THREADS. SELECT

SPACING AND EDGE DISTANCE FOR SCREWS SHALL BE THE GREATER OF EITHER 1/2 INCH OR 3 X

SCREWS WITH AN ADEQUATE CUTTING TIP TO ACCOMMODATE THE TOTAL THICKNESS TO BE DRILLED. DRILLING MUST BE COMPLETED BEFORE THE THREADS ENGAGE THE MATERIAL. WHERE SCREW ATTACHMENTS ARE MADE TO FRAMING COMPONENTS OF DIFFERENT THICKNESSES,

WELDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

THE THINNEST COMPONENT MUST BE PENETRATED FIRST, UNLESS NOTED OTHERWISE. ALL SCREWS ARE "T1." F. WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.3, LATEST EDITION, STRUCTURAL WELDING CODE, AND SHEET STEEL

G. SUGGESTED WELD METAL AND PROCESS FOR SHOP WELDING ARE: 70 KSI WELD METAL

STRENGTH MINIMUM. SUGGESTED METHODS FOR FIELD WELDING: 1/8", UNLESS NOTED OTHERWISE E70XX, MINIMUM, ELECTRODE - SMAW; OR "GASLESS" MIG. H. MINIMUM WELD THROAT THICKNESS (t) MUST MATCH OR EXCEED THE BASE STEEL

THICKNESS OF THE THINNEST CONNECTED PART UNLESS NOTED OTHERWISE. I. SEQUENCING OF WELDS SHALL BE SO AS TO AVOID DISTORTION OF MEMBERS. REPLACE ALL MEMBERS WHEN BURN THROUGH OCCURS DURING WELDING.

J. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED ON ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.

K. NO SPLICES IN STUDS, JOISTS, OR OTHER LOAD CARRYING MEMBERS MAY BE MADE WITHOUT

L. TRACK MEMBERS SHALL MATCH WIDTH AND MIL THICKNESS (GAGE) OF STUDS UNLESS NOTED OTHERWISE. TRACK MEMBERS SHALL HAVE A MINIMUM FLANGE WIDTH OF 1-1/4" UNLESS NOTED OTHERWISE.

PRIOR ENGINEERING REVIEW AND SPECIFIC DETAILS FOR ANY SUCH SPLICE(S).

M. MECHANICAL BRIDGING, SPACED AT THE INTERVALS DESCRIBED HEREIN, SHALL BE INSTALLED PRIOR TO THE ATTACHMENT OF FACING MATERIALS. N. MECHANICAL BRIDGING SHALL BE INSTALLED, IN THE FORM OF COLD ROLLED CHANNELS AND CONNECTION CLIPS, IN ALL WALLS ON THIS PROJECT. SEE TYPICAL LIGHT GAGE METAL FRAMING DETAILS ON THE DRAWINGS FOR SPECIFIC REQUIREMENTS.

 ALL LIGHT GAGE METAL FRAMING SHOWN ON THESE DOCUMENTS IS BASED ON THE PHYSICAL AND STRUCTURAL PROPERTIES OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA). ANY SUBSTITUTIONS MUST MEET THE MINIMUM PROPERTIES PROVIDED BY THESE MEMBERS AND MUST BE APPROVED IN WRITING BY THE ENGINEER.

FOLINDATIONS ARE DESIGNED TO BEAR ON RAMMED AGGREGATE PIERS OR OTHER SOIL IMPROVEMENT DESIGNED TO PROVIDE A UNIFORM ALLOWABLE PRESSURE OF 5,000 PSF RAMMED AGGREGATE PIERS OR OTHER SOIL IMPROVEMENT SHALL BE A DEFERRED SUBMITTAL AND SHALL INCLUDE SUBSTANTIAING STRUCTURAL AND GEOTECHNICAL CALCULATIONS AND SHALL BEAR THE SIGNED WET OR CERTIFIED ELECTRONIC STAMP OF A REGISTERED PROFESSION ENGNEER PER ITEM 17.B OF THESE GENERAL NOTES

EXTERIOR AND BUILDING PERIMETER FOUNDATIONS AND STRIP FOOTINGS HAVE BEEN DESIGNED TO BEAR AT OR BELOW THE LOCAL FROST DEPTH OF 36". PROVIDE FOOTING DEPTHS AS INDICATED IN THE DRAWINGS.

C. COMPLY WITH ALL ASPECTS OF SOILS REPORTS NO. 02145071-01 AND 02185076 DATED

MAY 6, 2014 AND APRIL 17, 2018 RESPECTIVELY PREPARED BY TERRACON CONSULTANTS, INC. 13910 W 96TH TERRACE, LENEXA, KS 66215. 913.492.7777. THE GENERAL CONTRACTOR AND FOUNDATION CONTRACTOR SHALL UNDERSTAND THE SURVEY AND GEOTECHNICAL REPORT BEFORE BIDDING THE WORK. RECOMMENDATIONS

CONTAINED IN THE GEOTECHNICAL REPORT SHALL BE INCLUDED IN THE CONTRACTOR'S WORK, UNLESS SPECIFIED OR DETAILED OTHERWISE.

CONTRACTOR SHALL REMOVE EXISTING FOOTINGS AND FOUNDATIONS THAT ARE LOCATED WITHIN THE FOOTPRINT OF THE NEW BUILDING.

F. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY UNUSUAL SOIL CONDITIONS THAT ARE IN VARIANCE WITH THE GEOTECHNICAL REPORT OR WHEN DIFFERENT BEARING MATERIAL IS EVIDENT AND THERE IS A QUESTION OF BEARING CAPACITY.

G. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF UNSUITABLE FILL MATERIAL OR ORGANIC MATERIAL.

A. CODE COMPLIANT STRUCTURAL DESIGN OF THE FOLLOWING ITEMS IS DEFERRED TO THE GENERAL CONTRACTOR.

EXCAVATION SUPPORT RAMMED AGGREGATE PIERS

TEMPORARY BRACING AND SHORING

STEEL BAR JOISTS METAL DECK ATTACHMENT

STRUCTURAL STEEL CONNECTIONS ROOF ACCESS LADDERS AND SAFETY CAGES ELEVATOR GUIDE RAILS

STAIR AND HANDRAIL FRAMING SEISMIC AND WIND ANCHORAGE AND SWAY BRACING OF MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS COMPONENTS

B. DEFERRED SUBMITTALS SHALL INCLUDE SUBSTANTIATING STRUCTURAL CALCULATIONS AND SHALL BEAR THE SIGNED WET OR CERTIFIED ELECTRONIC STAMP OF A REGISTERED PROFESSIONAL ENGINEER WHO IS LEGALLY AUTHORIZED TO PRACTICE IN THE JURISDICTION WHERE PROJECT IS LOCATED AND WHO IS EXPERIENCED IN PROVIDING ENGINEERING SERVICES OF THE KIND INDICATED. DEFERRED SUBMITTALS SHALL BEAR THE APPROVAL STAMP OF THE PROJECT ENGINEER OF RECORD.

C. MAIN LATERAL FORCE RESISTING SYSTEM STRUCTURAL STEEL CONNECTIONS THAT HAVE BEEN DEFERRED TO THE FABRICATOR'S ENGINEER SHALL BE SUBMITTED IN TANDEM WITH THE CORRESPONDING STRUCTURAL STEEL SHOP DRAWINGS. D. ALL SHOP DRAWINGS AND SUBMITTALS MUST BE REVIEWED AND APPROVED BY THE

CONTRACTOR PRIOR TO SUBMITTAL. ENGINEER'S REVIEW OF SHOP DRAWINGS IS LIMITED TO CHECKING FOR GENERAL CONFORMANCE WITH DESIGN DRAWINGS AND STRENGTH OF COMPONENTS AND MATERIALS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES FROM THE DESIGN DRAWINGS, QUANTITIES, DIMENSIONAL ERRORS, OR OMISSIONS IN THE SHOP

E. ALL SHOP DRAWINGS MUST BE ORIGINAL DOCUMENTS AND SHALL NOT BE REPRODUCTIONS OF THESE CONTRACT DOCUMENTS.

F. SUBMIT SHOP DRAWINGS DETAILING FABRICATION OF EACH MEMBER AND ITS CONNECTIONS. CONNECTION DRAWINGS ARE TO BE PREPARED UNDER THE SUPERVISION OF A LICENSED

G. CONTRACTOR SHALL SUBMIT STRUCTURAL SHOP DRAWINGS FOR THE FOLLOWING:

RAMMED AGGREGATE PIERS CONCRETE AND MASONRY GROUT MIX DESIGN AND MATERIALS CONCRETE AND MASONRY REINFORCING STEEL

CONCRETE FORMWORK MASONRY MATERIALS STRUCTURAL STEEL

STEEL BAR JOISTS STEEL DECK AND ATTACHMENT METHODS AND MATERIALS LIGHT GAGE METAL FRAMING AND CONNECTIONS

GENERAL NOTES S0.02 TYPICAL DETAILS TYPICAL DETAILS S_{0.04} TYPICAL DETAILS S0.05 TYPICAL DETAILS TYPICAL DETAILS S0.07 TYPICAL DETAILS S1.01 FOUNDATION PLAN 2ND FLOOR FRAMING PLAN 3RD FLOOR FRAMING PLAN S2.03 ROOF FRAMING PLAN S3.01 FOUNDATION SECTIONS FOUNDATION SECTIONS S4.01 FRAMING SECTIONS FRAMING SECTIONS FRAMING SECTIONS FRAMING SECTIONS S4.04 S4.05 FRAMING SECTIONS ROOF FRAMING SECTIONS ROOF FRAMING SECTIONS ADD ALTERNATE PLANS

2 STRUCTURAL SHEET INDEX

A.F.F. ALT ABOVE FINISH FLOOR INSIDE FACE JOIST A.B. ANCHOR BOLT JOINT ARCH KIP (1000 LBS) ARCHITECTURAL PLANS LBS POUNDS LONG LEG HORIZONTAL LLH LONG LEG VERTICAL LLV BAL BALANCE BLDG **MANUF** MANUFACTURER BUILDING BM MAS BEAM MASONRY BOT **BOTTOM** MAX MAXIMUM BFARING MIN MINIMIIM BTWN **MISCELLANEOUS** BFTWFFN **CENTER LINE** C.G.S. NEAR SIDE **CENTER OF GRAVITY OF STRANDS** N.S. CAST-IN-PLACE CONCRETE N.T.S. NOT TO SCALE ON CENTER C.J. COL CONTROL JOINT **OUTSIDE FACE** OPNG OPENING COLUMN CMU **OPPOSITE** CONCRETE MASONRY UNIT CONC PRECAST CONCRETE POUNDS PER SQUARE FOOT CONTINUOUS CTR POUNDS PER SQUARE INCH CENTER DIA DIAMETER POST TENSION RAD DEG RADIUS DEGREE REINF DIM **DIMENSION** REINFORCEMENT RFF REFERENCE DWG REFERENCE DRAWING **EACH FACE** SCHED SCHEDULE **SECT ELEV ELEVATION** SECTION SHEET SIM E.W. **FACH WAY** SIMII AR **SPA EXIST** EXISTING SPACING **SPECS** SPECIFICATION EXP **FXPANSION** EXTERIOR SQUARE STANDARD **FOUNDATION** FINISHED FLR **TOP & BOTTOM** FLOOR F.S. **FAR SIDE** T.O. TOP OF....(ADD ITEM) FTG TYP **FOOTING** TYPICAL U.N.O. F.V. FIELD VERIFY UNLESS NOTED OTHERWISE GAUGE VAR G.B. **VERT GRADE BEAM** VERTICAL **GALVANIZED** W.W.F. WELDED WIRE FABRIC HORIZ HORIZONTAL

✓ 3 \ STRUCTURAL ABBREVIATIONS

4900 Main St., Suite 400 Kansas City, MO 64112 PARK PLACE

VAN TRUST REAL ESTATE, LLC

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS 1 05.30.18 ADDENDUM #1

REGISTRATION

CONTRACTOR

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECT ARCHITECTURE ENGINEERING, INC.

LANDSCAPE LANDSCAPE STRUCTURAL PMA ENGINEERING

CIVIL

PKMR ENGINEERS PLUMBING MECHANICAL PKMR ENGINEERS

PKMR ENGINEERS ELECTRICAL CONTRACTOR MW BUILDERS

VAN TRUST

REAL ESTATE, LLC

PMA Engineering 6717 Shawnee Mission Pkwy Suite 100. Overland Park, KS 66202 P: (913) 8 3 1-1 2 6 2, F: (913) 8 3 1-0 1 4 8 www.pmaengineering.com PMA Engineering, © 2018 (PROJECT#P17222)

DEVELOPER

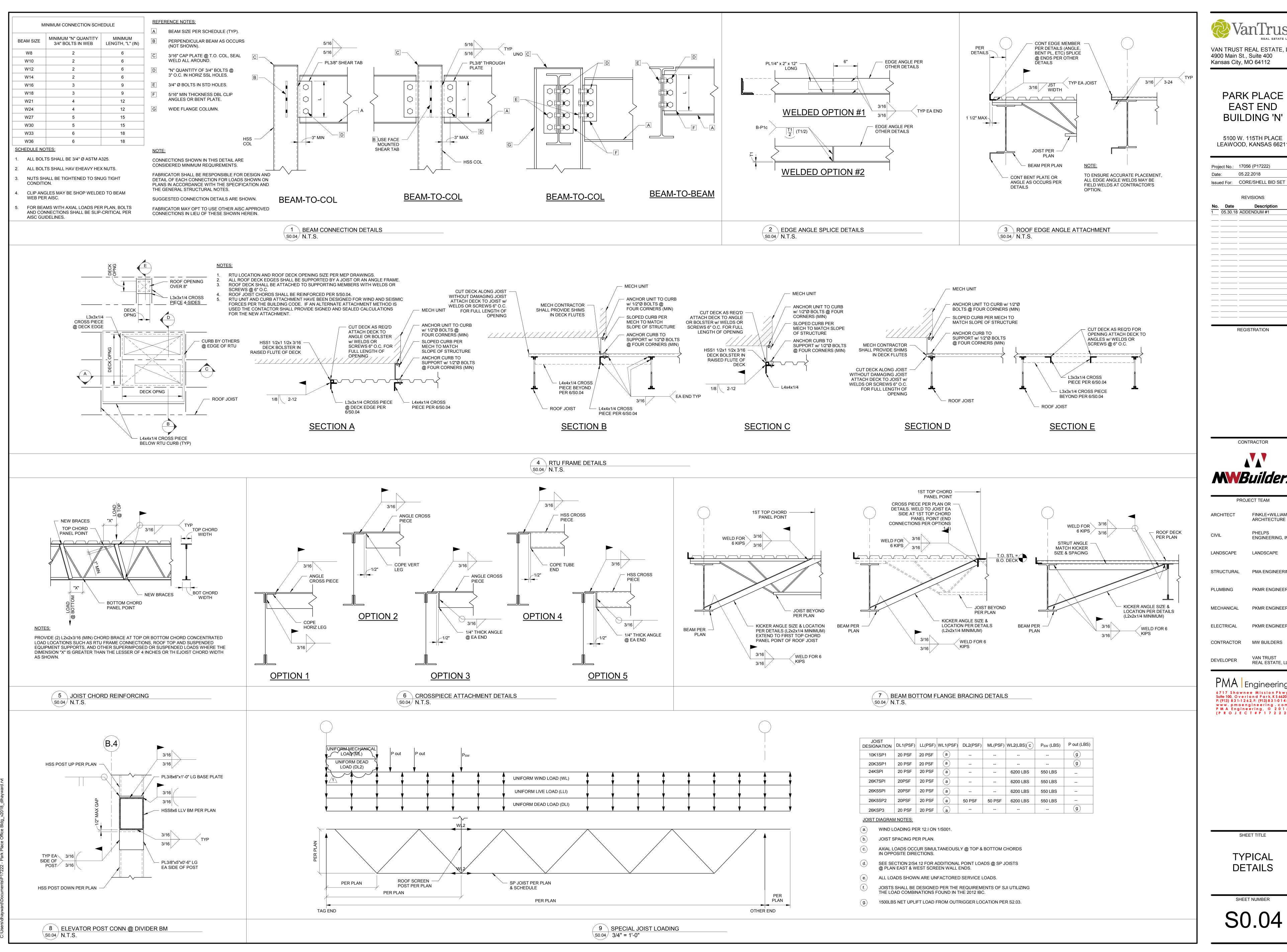
SHEET TITLE

GENERAL

SHEET NUMBER

STRUCTURAL GENERAL NOTES

4 NOT USED



VAN TRUST REAL ESTATE, LLC

PARK PLACE **EAST END BUILDING 'N**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018

REVISIONS

05.30.18 ADDENDUM #1

CONTRACTOR

MWBuilders

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING, INC.

LANDSCAPE

PMA ENGINEERING

PKMR ENGINEERS

PKMR ENGINEERS

PKMR ENGINEERS

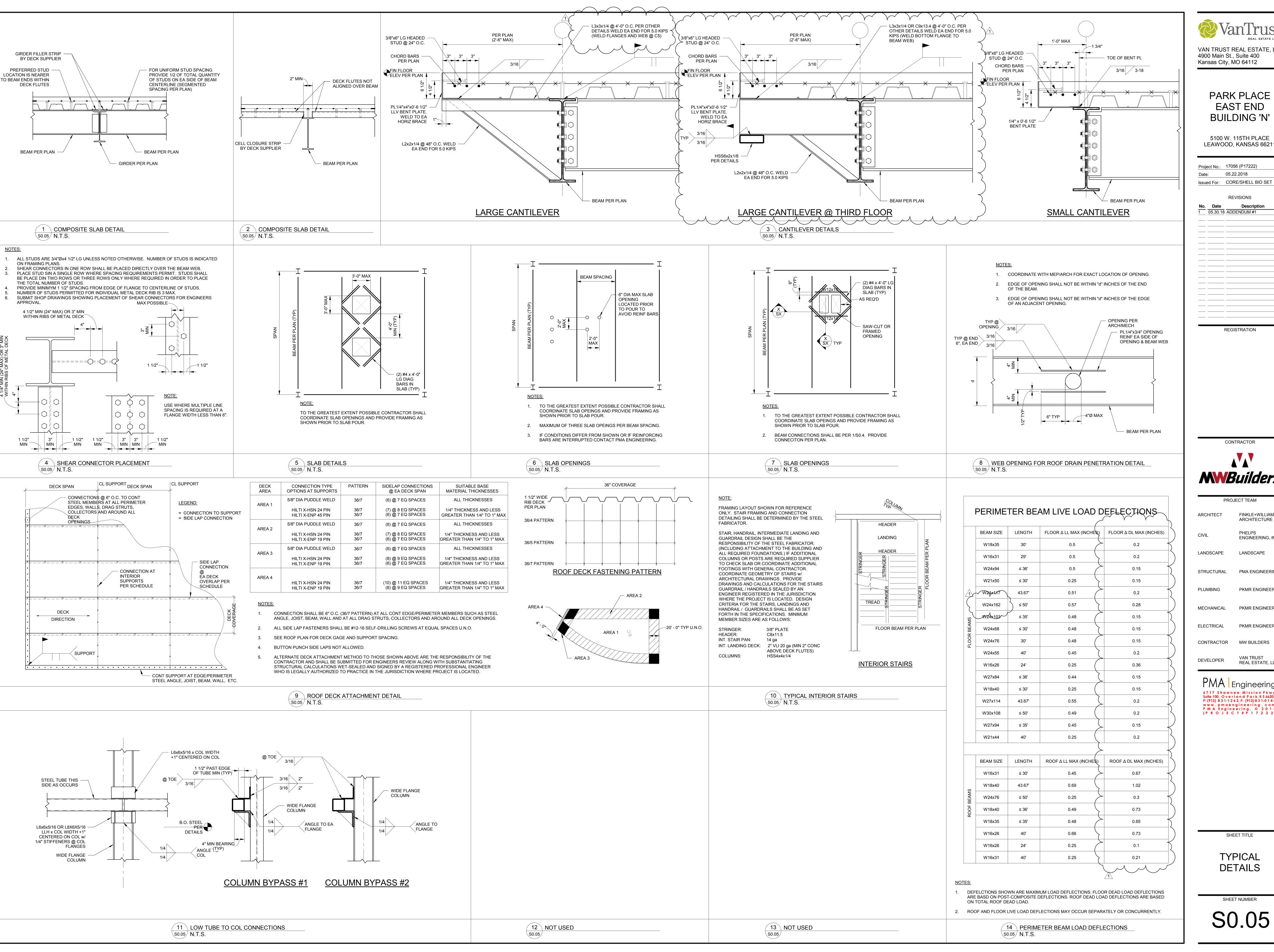
VAN TRUST

REAL ESTATE, LLC

PMA Engineering 6717 Shawnee Mission Pkwy Suite 100, Overland Park, KS 66202 P: (913) 831-1262, F: (913) 831-0148 www.pmaengineering.com PMA Engineering, © 2018 (PROJECT#P17222)

SHEET TITLE

TYPICAL DETAILS



> PARK PLACE E-AST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018

REVISIONS

05.30.18 ADDENDUM #1

REGISTRATION

CONTRACTOR

MWBuilders

PROJECT TEAM FINKLE+WILLIAMS ARCHITECTURE PHELPS ENGINEERING, INC. LANDSCAPE STRUCTURAL PMA ENGINEERING PKMR ENGINEERS PKMR ENGINEERS

> PKMR ENGINEERS MW BUILDERS

> > VAN TRUST

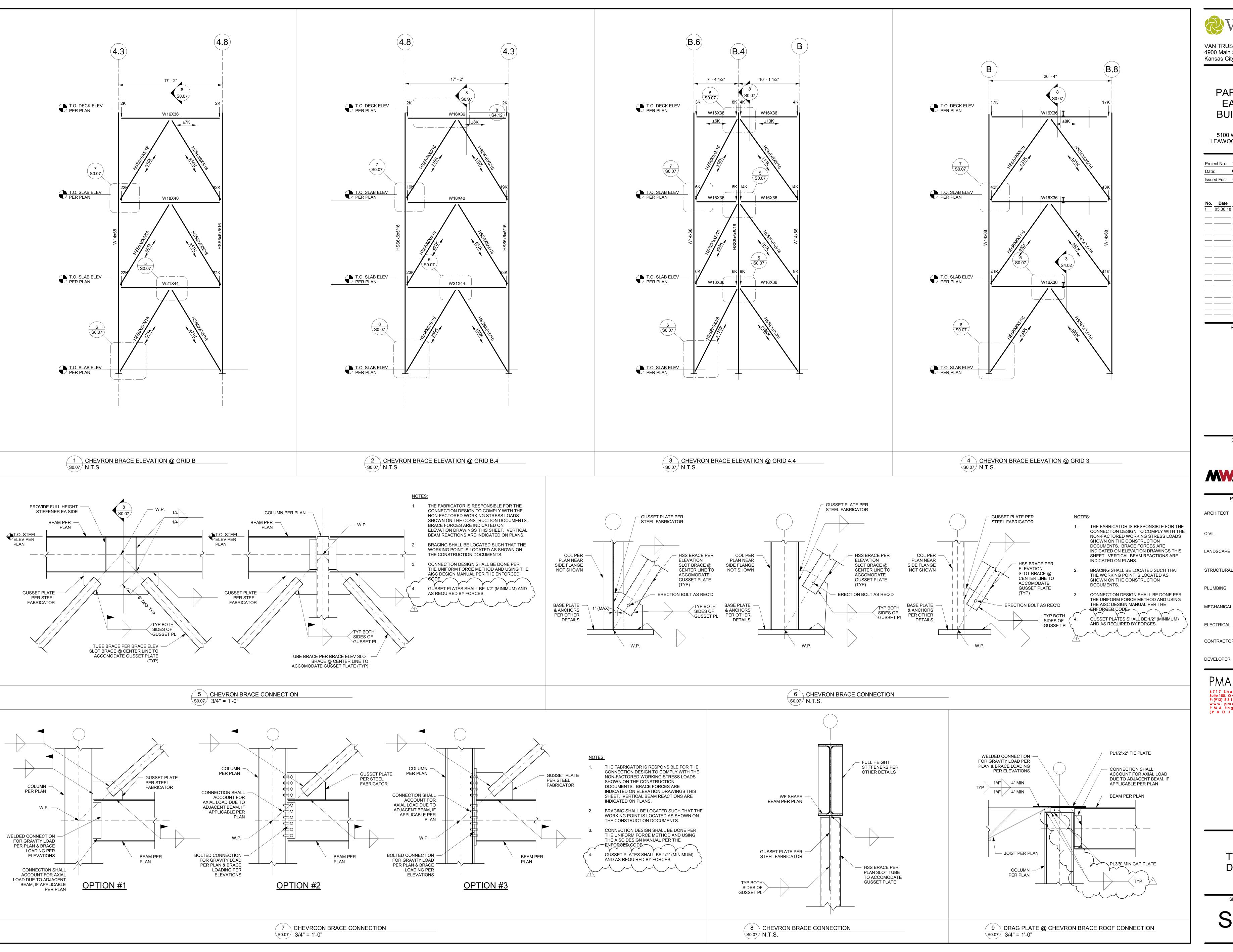
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PMA Engineering 6717 Shawnee Mission Pkwy Suite 100, Overland Park, K S 66202 P: (913) 8 3 1-1 2 6 2, F: (913) 8 3 1-0 1 4 8 www.pmaengineering.com PMA Engineering, © 2018 (PROJECT#P1722)

SHEET TITLE

TYPICAL DETAILS

SHEET NUMBER S0.05



VAN TRUST REAL ESTATE, LLC 4900 Main St., Suite 400 Kansas City, MO 64112

PARK PLACE EAST END BUILDING 'N'

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

 Project No.:
 17056 (P17222)

 Date:
 05.22.2018

 Issued For:
 CORE/SHELL BID SET

Date Descriptio

05.30.18 ADDENDUM #1

REGISTRATION

CONTRACTOR

PROJECT TEAM

CHITECT FINKLE+WILLIAMS

PHELPS
ENGINEERING, INC.

APE LANDSCAPE

STRUCTURAL PMA ENGINEERING

PLUMBING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS

ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS

DEVELOPER VAN TRUST REAL ESTATE, LLC

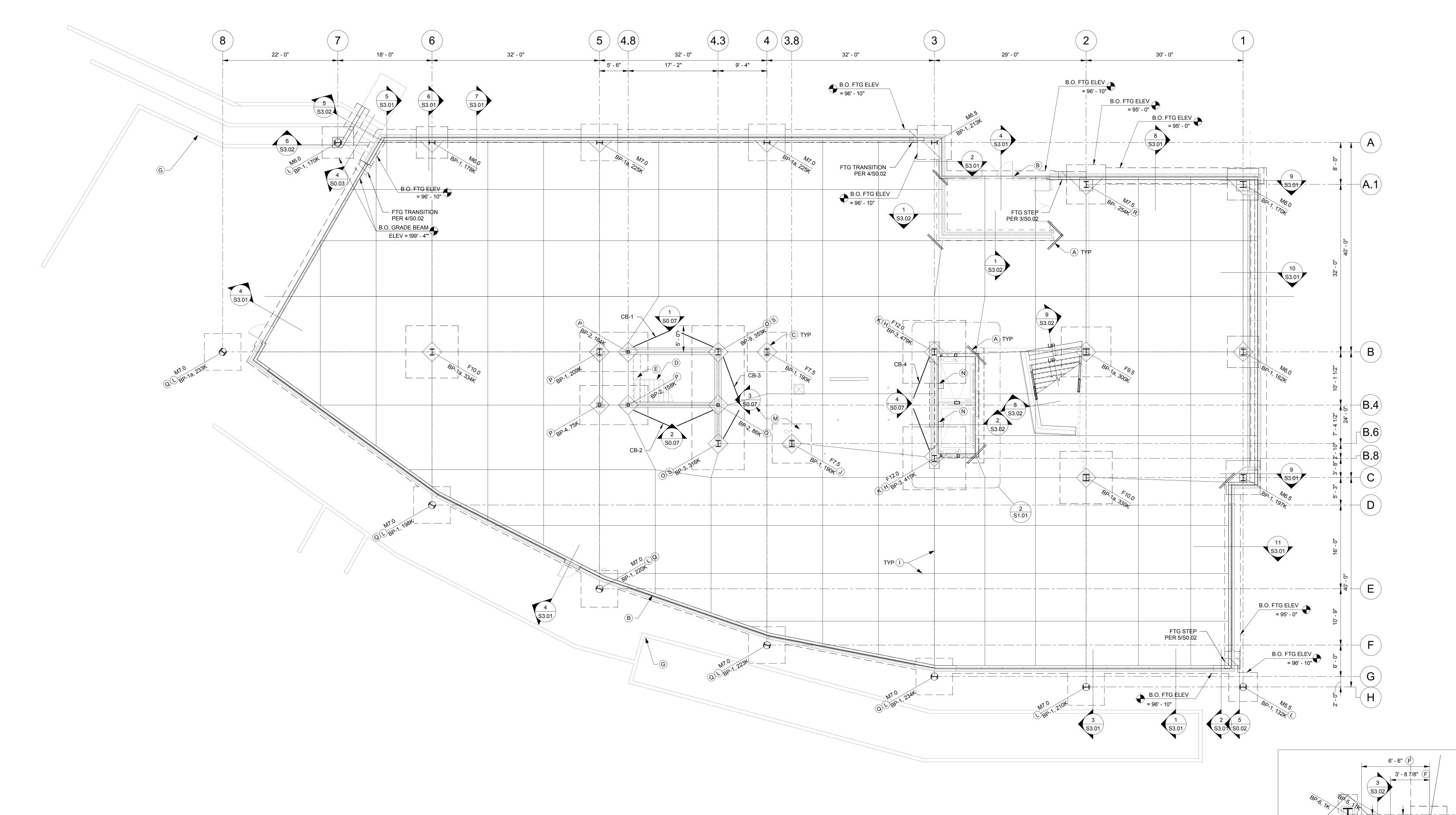
PMA Engineering

6717 Shawnee Mission Pkwy
Suite 100, Overland Park, KS 66202
P: (913) 831-1262, F: (913) 831-0148
www.pmaengineering.com
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(PROJECT#P17222)

SHEET TITLE

TYPICAL DETAILS

S0.07



PLAN NOTES:

- 1. THE CONCRETE SLAB-ON-GRADE HAS BEEN DESIGNED FOR ITS FINAL USE AND NOT FOR CONSTRUCTION CONSIDERATIONS. CONTRACTOR SHALL COORDINATE SLAB DESIGN WITH CONSTRUCTION NEEDS. THE SLAB DESIGN INDICATED ON THESE DRAWINGS IS TO BE CONSIDERED A MINIMUM. SUBMIT CHANGES TO THE SLAB DESIGN TO THE E.O.R. FOR REVIEW.
- 2. 4" CONCRETE SLAB-ON-GRADE w/ 6x6-W1.4xW1.4 W.W.F. CENTERED IN SLAB OVER CLASS A 15 MIL VAPOR BARRIER, OVER 4" GRANULAR LEVELING COURSE OVER LVC FILL (SEE GEOTECHNICAL REPORT REFERENCED IN THE GENERAL NOTES) T.O. SLAB ELEVATION = 100'-0" U.N.O. (CIVIL REFERENCE ELEV = 919.5'). CONCRETE SLAB AND CURB SHALL HAVE VAPOR LOCK AT MANUFACTURER'S RECOMMENDED DOSEAGE. FLOOR FLATNESS & LEVELNESS REQUIREMENTS:

	TYPICAL FINISH / COVERED	POLISHED F	ED FINISH*	
		SPECIFIED OVERALL VALUE	MINIMUM LOCAL VALUE	
FLOOR FLATNESS	25	50	35	
FLOOR LEVELNESS	20	50	20	

- POLISHED CONCRETE LOCATIONS PER ARCHITECTURAL FINISH PLANS. REVIEW TI DOCUMENTS PRIOR TO SLAB POUR.
- 3. ALL FOOTINGS, GRADE BEAMS, ELEVATOR PITS & OTHER FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON 5000 PSF UNIFORM ALLOWABLE SUBGRADE BEARING PRESSURE. SUBGRADE DESIGN TO ACHIEVE 5000 PSF UNIFORM BEARING PRESSURE IS A DEFERED SUBMITTAL ITEM PER 17.A.b ON 1/S0.01.
- 4. ALL EXTERIOR WALL STUDS SHALL BE 600S162-43 WALL STUDS @ 16" O.C. U.N.O. SEE SHEET S0.06 FOR TYPICAL DETAILS OF EXTERIOR WALL METAL STUD CONSTRUCTION.
- 5. T.O. FOOTING ELEVATION = 99'-4" U.N.O.
- 6. T.O. STEM WALL ELEV = 102'-11 3/4".
- 7. SEE SHEET S0.02 & S0.03 FOR TYPICAL DETAILS OF FOUNDATION CONSTRUCTION.

PLAN REFERENCE NOTES:

- PROVIDE (2) #4 x 5'-0" LONG DIAGONAL BARS AT MID DEPTH OF SLAB.
- (B) PROVIDE DOWELS INTO EXTERIOR SIDEWALK/PAVING TO PREVENT FROST HEAVE.
- SEE 4/S3.01 FOR INFORMATION.

 C SLAB BLOCKOUT PER 1/S0.03, TYP.
- © STEEL STAIRS BY FABRICATOR. SEE SHEET S0.05 FOR TYPICAL DETAILS OF STEEL
- STAIR CONSTRUCTION.
- PROVIDE THICKENED SLAB PER 5/S0.03 AT PERIMETER OF STAIR LANDING AND BASE AND AT VESTIBULE WALLS.
- F COORDINATE FINAL DIMENSIONS AND LOCATION WITH ELEVATOR SUPPLIER.
- © EXTERIOR SITE WALL PER ARCH / CIVIL.
- (H) PROVIDE BARS PER SCHEDULE AT TOP AND BOTTOM OF FOOTING.
- (I) CONTROL JOINTS PER 3/S0.03.
- J T.O. FOOTING ELEVATION = 98'-6".
- T.O. FOOTING ELEVATION = 95'-0". PROVIDE PILASTER PER 4/S3.02. T.O. PILASTER ELEVATION = 99'-4".
- PROVIDE AN 17"Ø CONCRETE WRAP PER 3/S3.01. T.O. WRAP ELEV = 100'-4" U.N.O., B.O. WRAP ELEV = T.O. FTG. & T.O. WRAP ELEV = 101'-10" @ GRID A/7.
- PROVIDE (2) #4_x5-0" LONG DIAGONAL BARS AT MID DEPTH OF SLAB @ ALL CORNERS OF BLOCKOUTS FOR PLUMBING & ELECTRICAL STUD UPS. COORDINATE LOCATIONS OF STUB UPS WITH PLUMBING AND ELECTRICAL DRAWINGS.
- OF STUB UPS WITH PLUMBING AND ELECTRICAL DRAWINGS.
- N LOCATE SUMP PITS @ ELEVATOR PER ELEVATOR SUPPLIER & MECH / PLUMBING REQUIREMENTS.

 PROVIDE A 10' x 27'-6" x 2'-3" DEEP COMBINED FOOTING w/ (22) #8 BARS E.W. T&B.
- P PROVIDE A 7'-6" x 13'-0" x 1'-6" DEEP COMBINED FOOTING w/ (10) #6 BARS LONGITUDINAL & (14) #6 BARS TRANSVERSE T&B.
- Q) COLUMN ORIENTATION PER 7/S3.02.

EXTEND GRADE BEAM & WALL REINF INTO MASS FOOTING w/ CLASS B LAP SPLICE, SIM TO 4/S0.02

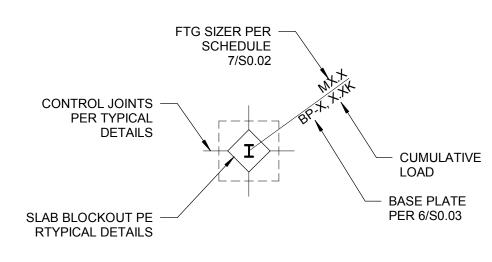
PROVIDE PILASTER REINFORCEMENT SIMILAR TO 4/S3.02 IN FOOTING, CENTER ON COLUMN.

PLAN LEGEND:

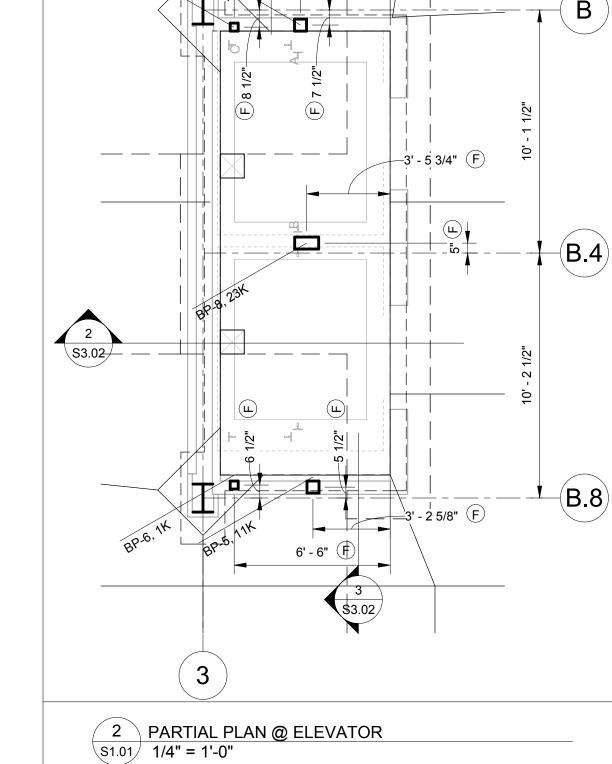
CB-# CHEVRON BRACE PER \$0.07.

1 FOUNDATION PLAN

S1.01 1/8" = 1'-0"



FOOTING LEGEND



SHEET TITLE

VAN TRUST REAL ESTATE, LLC

PARK PLACE

EAST END

BUILDING 'N'

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Date: 05.22.2018
Issued For: CORE/SHELL BID SET

REGISTRATION

CONTRACTOR

MWBuilders

PROJECT TEAM

LANDSCAPE

PLUMBING

MECHANICAL

ELECTRICAL

DEVELOPER

FINKLE+WILLIAMS ARCHITECTURE

ENGINEERING, INC.

PKMR ENGINEERS

PKMR ENGINEERS

PKMR ENGINEERS

VAN TRUST

REAL ESTATE, LLC

LANDSCAPE

STRUCTURAL PMA ENGINEERING

CONTRACTOR MW BUILDERS

PMA Engineering

6717 Shawnee Mission Pkwy Suite 100, Overland Park, K S 66202 P: (913) 831-1262, F: (913) 831-0148

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Project No.: 17056 (P17222)

4900 Main St., Suite 400 Kansas City, MO 64112

PLAN

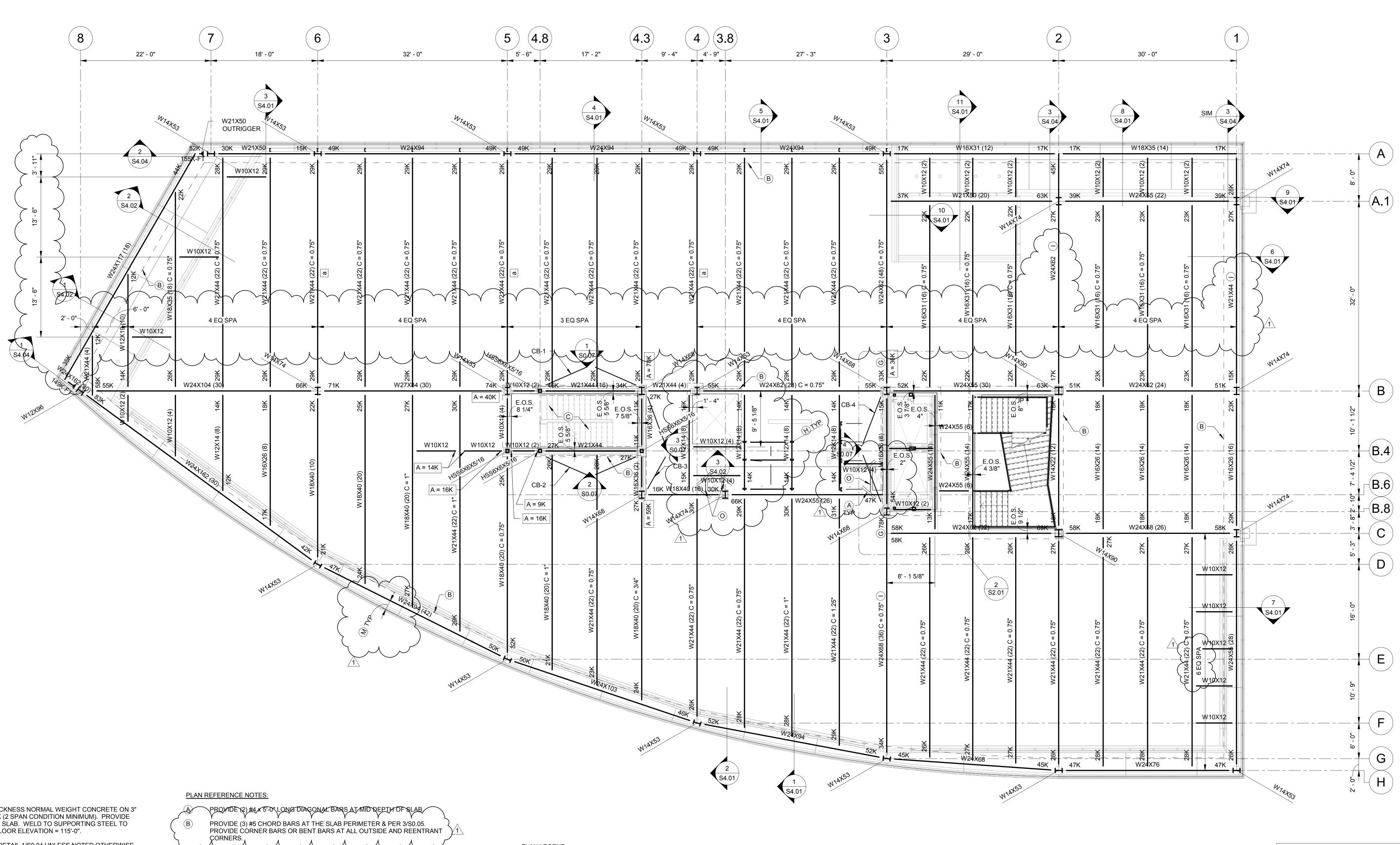
FOUNDATION

S1.01

SHEET NUMBER

NORTH

DRTH



- 1. FLOOR SLAB SHALL BE 6 1/2" MINIMUM TOTAL THICKNESS NORMAL WEIGHT CONCRETE ON 3" 20 GA G60, GALVANIZED COMPOSITE FLOOR DECK (2 SPAN CONDITION MINIMUM). PROVIDE (1) LAYER OF 6x6 W& 1xW2.1 W.W.F. CENTERED IN SLAB. WELD TO SUPPORTING STEEL TO TRANSPER 1750 PLF DIAPHRAM SHEAR. FINISH FLOOR ELEVATION = 115'-0".
- ALL SIMPLE BEAM-CONNECTIONS SHALL BE PER DETAIL 1/S0.04 UNLESS NOTED OTHERWISE. PROVIDE CONNECTION FOR SERVICE LOADS INDICATED WHERE SHOWN. PROVIDE CONNECTION FOR 10 KIPS REACTION IF NO LOAD SHOWN. SHEAR CONNECTOR HEADED STUDS SPECIFIED SHALL BE 3/4" DIA x 4 1/2" LG ASTM A108
- TO ENSURE PROPER COMPOSITE ACTION AND RELATIVELY LEVEL FLOOR ON THIS PROJECT, THE CONTRACTOR SHALL PREPARE A FLOOR POUR QUALITY CONTROL PROGRAM WHICH
- SHALL INCLUDE, BUT NOT NECESSARILY BE LIMITED TO, THE FOLLOWING ITEMS: A PREPARE A POURING SEQUENCE FOR EACH POUR ON EACH FLOOR. DO NOT

GRADES 1010 THROUGH 1020, COLD FINISHED CARBON STEEL, AWS D1.1, TYPE B, WITH ARC

- DEVIATE FROM THE POUR SEQUENCE EXCEPT IN THE CASE OF EQUIPMENT BREAKDOWN, CONCRETE DELIVERY PROBLEMS, OR OTHER UNFORSEEN CIRCUMSTANCES.
- 1. THE CONTRACTOR SHALL PROVIDE CONSIDERATIONS FOR, BUT NOT NECESSARILY LIMTED TO. THE FOLLOWING: PRELOADING OF BAYS TO ENSURE DEFELCTIONS ARE ACCOUNTED FOR PRIOR TO FINISHING, DIRECTION OF FLOOR POURING, POUR STOP LOCATIONS, AND ADDITION OF EXTRA CONCRETE FOR PONDING.
- B. CONTRACTOR SHALL VERIFY AND RECORD THAT ALL BEAMS HAVE BEEN INSTALLED WITH UPWARD CAMBER. IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER OF ANY BEAMS WHICH VARY MORE THAN 3/8" HIGHER OR LOWER THAN THE CAMBER OR SPECIFIED ELEVATIOSN NOTED ON THE APPROVED SHOP DRAWINGS. DO NOT POUR UNTIL A RESOLUTION AS BEEN REACHED.
- POUR CONCRETE IN SUCH A MANNER THAT BOTH THE SPECIFIED FLOOR TOLERANCES NOTED BELOW AND THE SPECIFIED MINIMUM CONCRETE THICKNESS CAN BE ACHIEVED. PROVIDE GAGES OR OTHER RELIABLE MEASURING DEVICES ALONG THE BEAMS TO ASSURE THAT MINIMUM CONCRETE COVERAGE IS ACHIEVED AND THE INTENDED CAMBER OF THE BEAMS IS ALLOWED TO COME OUT.
- D. DURING THE CONCRETE PLACEMENT OPERATIONS, VERIFY THAT ALL AREAS WITHIN THE POUR ARE LEVEL TO THE TOLERANCES MEETING THE LATEST ACI 117 "MODERATELY FLAT FLOOR" SPECIFICATIONS USING A LASER OR OTHER RELIABLE INSTRUMENT. THE ADDITION OF UP TO ONE INCH OF ADDITIONAL CONCRETE IN MID-SPAN LOW AREAS MAY BE REQUIRED TO ACHIEVE THE SPECIFIED TOLERANCE NOTED. THE STEEL BEAMS HAVE BEEN DESIGNED TO ACCOMODATE THIS ADDITIONAL CONCRETE WEIGHT. FINAL FLOOR FLATNESS SHALL BE 25 FOR FLOOR w/ COVERING & 35 FOR POLISHED CONCRETE w/ AN OVERALL FLOOR FLATNESS VALUE 50. SEE ARCHITECTURAL FINISH PLANS FOR
- COORDINATE POUR STOP LOCATIONS WITH ARCHITECTURAL REQUIREMENTS.
- 6. SEE SHEET S0.05 FOR TYPICAL DETAILS OF COMPOSITE FLOOR CONSTRUCTION.

7. SEE SHEET S0.06 FOR TYPICAL LIGHT GAGE AND COLD FORMED DETAILS.

8. SEE SHEET S0.04 & 0.05 FOR TYPICAL STEEL FRAMING DETAILS.

EXTENTS OF POLISHED CONCRETE.

9. ALL EXTERIOR WALL STUDS SHALL BE 600S162-43 WALL STUDS @ 16" O.C. U.N.O. 10. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL EDGE OF SLAB LOCATIONS NOT

- STEEL STAIRS BY FABRICATOR. SEE 10/S0.05 FOR TYPICAL DETAILS OF STEEL STAIR CONSTRUCTION.
- D VERIEY DIMENSIONS WITH ELEVATOR SUPPLIER. BEAM DESIGNED FOR OPERABLE PARTITION DEFLECTION REQUIREMENT OF 1/8" PER 12 FEET. CENTER HUNG PANEL INFORMATION, CENTER STACKING PANEL, FIXED TO STACK END. PROVIDE TOP FLANGE KICKERS AT 6'-0" O.C.
- NOT USED NOT USED
- - COORDINATE LOCATION OF C6x10.5 HANGERS & BEAMS WITH RESTROOM PARTITION LOCATION PER ARCH.

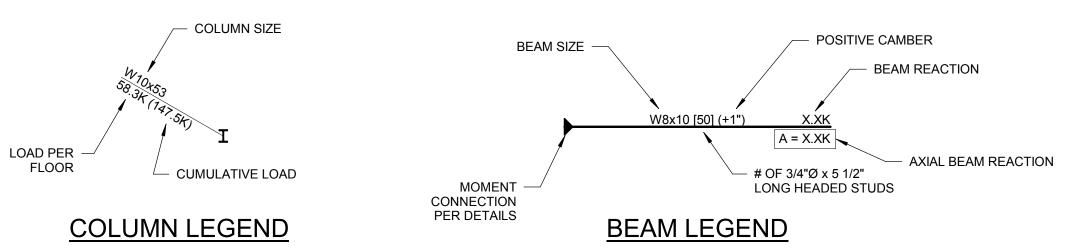
BRACE BOTTOM FLANGE OF BEAM @ 1/4 POINTS SIM TO 7/S0.04.

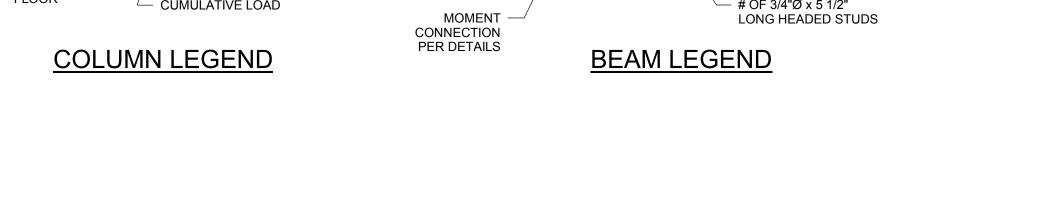
- PROVIDE #3 BARS @ 12" O.C. E.W. EXTEND (1) FULL BEAM SPACE BEYOND EDGE OF POLISHED CONCRETE. EXTEND 4'-6" BEYOND EDGE OF POLISHED CONCRETE WHERE PARALLEL TO PURLIN FRAMING. COORDINATE POLISHED CONCRETE LOCATIONS w/ TI DRAWINGS.
- COORDINATE EDGE OF SLAB WITH ARCHITECTURAL PLANS.
- ELEVATOR POST CONNECTION PER 8/S0.04.

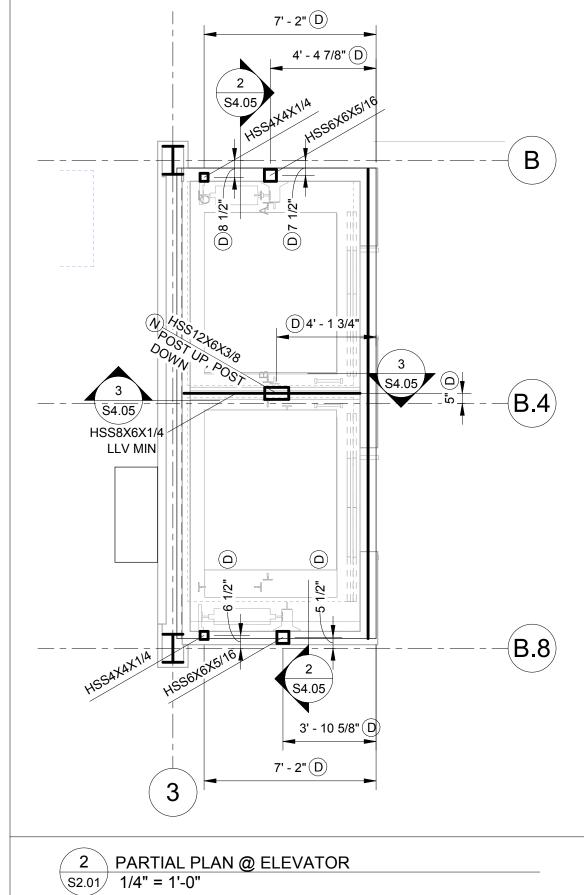
CHEVRON BRACE PER S0.07.

ADD ALTERNATE ITEMS:

a W24x76 (38) (E) ADD ALTERNATE 4 FOR SUPPORT OF ASSUMED OPERABLE PARTITION DEFLECTION REQUIREMENT OF 1/8" PER 12 FEET. PROVIDE BOTTOM FLANGE KICKERS 6'-0" PER 7/S0.04. HANGER SIZE & SPACING PER OPERABLE PARTITION SUPPLIER.







VAN TRUST REAL ESTATE, LLC 4900 Main St., Suite 400

PARK PLACE EAST END **BUILDING 'N'**

Kansas City, MO 64112

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018 Issued For: CORE/SHELL BID SET

REGISTRATION

CONTRACTOR **MWB**uilders

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

ENGINEERING, INC. LANDSCAPE LANDSCAPE

STRUCTURAL PMA ENGINEERING

PLUMBING PKMR ENGINEERS MECHANICAL PKMR ENGINEERS

ELECTRICAL PKMR ENGINEERS

CONTRACTOR MW BUILDERS VAN TRUST

DEVELOPER

PMA Engineering 6717 Shawnee Mission Pkwy Suite 100, Overland Park, K S 66202 P: (913) 831-1262, F: (913) 831-0148 www.pmaengineering.com PMA Engineering, © 2018 (PROJECT#P17222)

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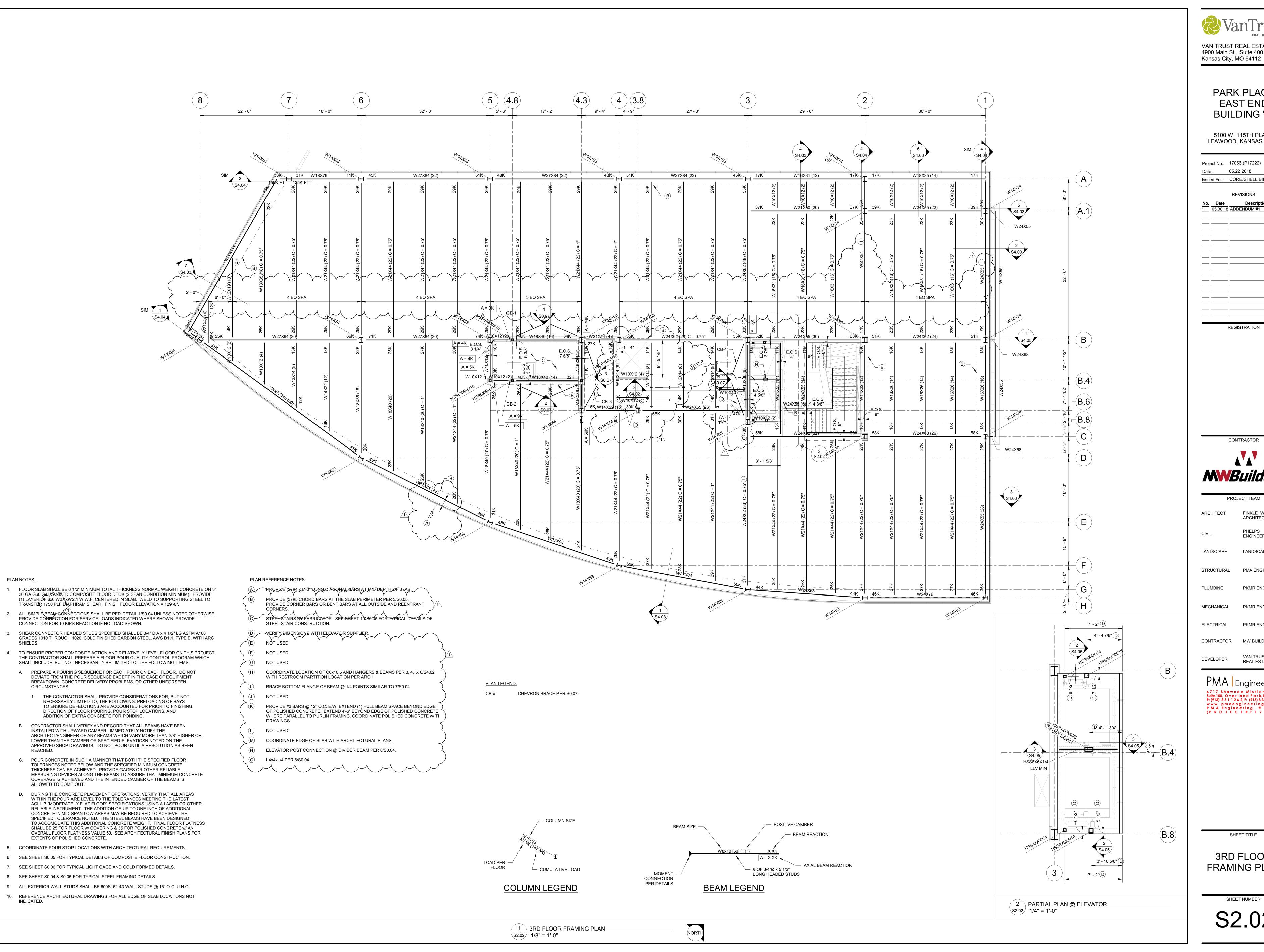
SHEET TITLE

2ND FLOOR FRAMING PLAN

SHEET NUMBER

1 2ND FLOOR FRAMING PLAN S2.01 1/8" = 1'-0"

NORTH



> PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

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REGISTRATION

CONTRACTOR

MWBuilders

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS ARCHITECTURE

ENGINEERING, INC.

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PKMR ENGINEERS MECHANICAL

PKMR ENGINEERS ELECTRICAL

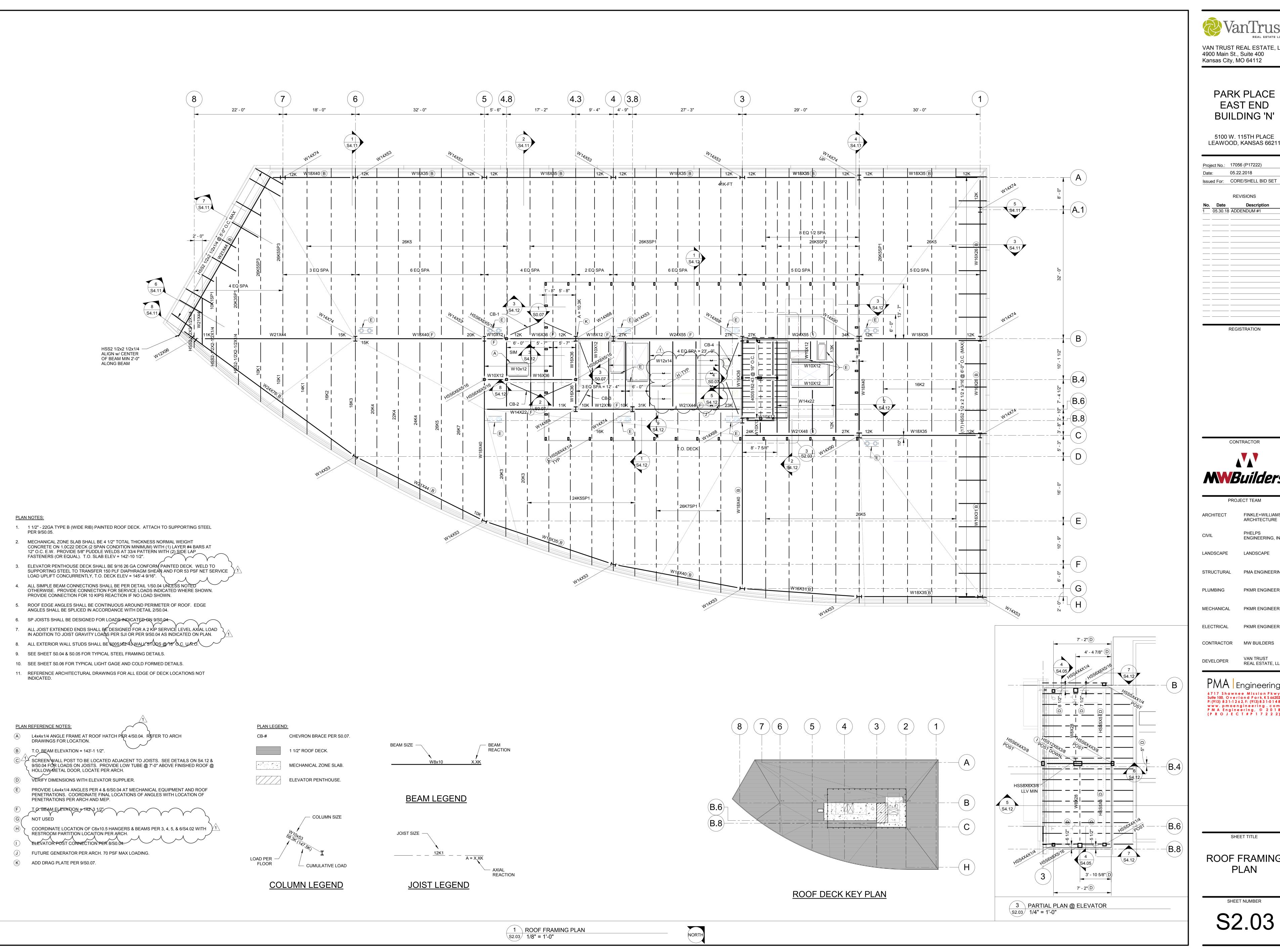
CONTRACTOR MW BUILDERS

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SHEET TITLE

3RD FLOOR FRAMING PLAN



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> PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018

REGISTRATION

CONTRACTOR **MWB**uilders

PROJECT TEAM

ARCHITECT FINKLE+WILLIAMS

ARCHITECTURE

ENGINEERING, INC.

LANDSCAPE LANDSCAPE

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PKMR ENGINEERS PLUMBING

PKMR ENGINEERS MECHANICAL

PKMR ENGINEERS ELECTRICAL CONTRACTOR MW BUILDERS

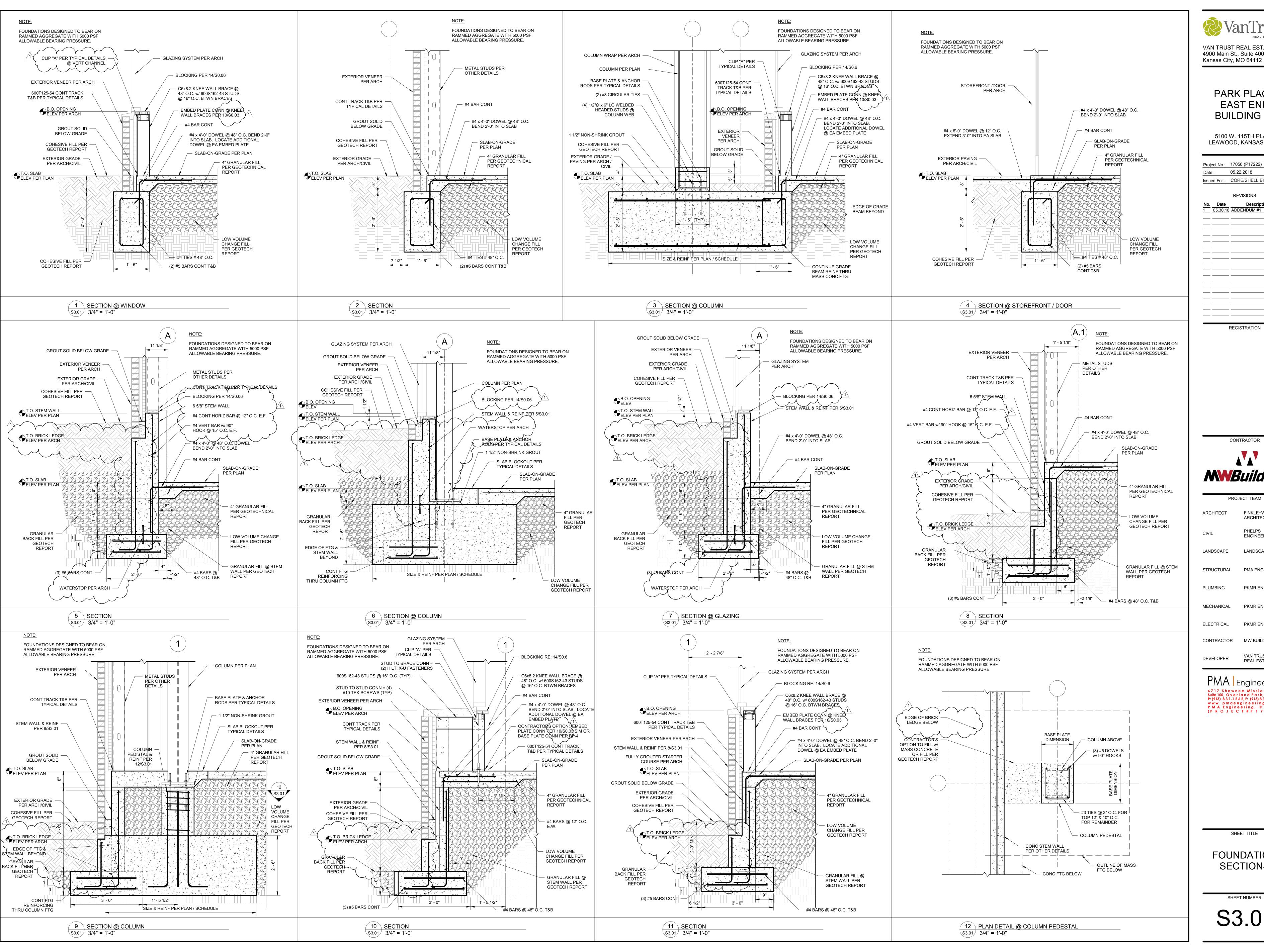
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SHEET TITLE

ROOF FRAMING PLAN

SHEET NUMBER S2.03



> PARK PLACE EAST END **BUILDING 'N**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS 1 05.30.18 ADDENDUM #1

REGISTRATION

CONTRACTOR

MWBuilders

PROJECT TEAM

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LANDSCAPE LANDSCAPE

STRUCTURAL PMA ENGINEERING PKMR ENGINEERS

PKMR ENGINEERS

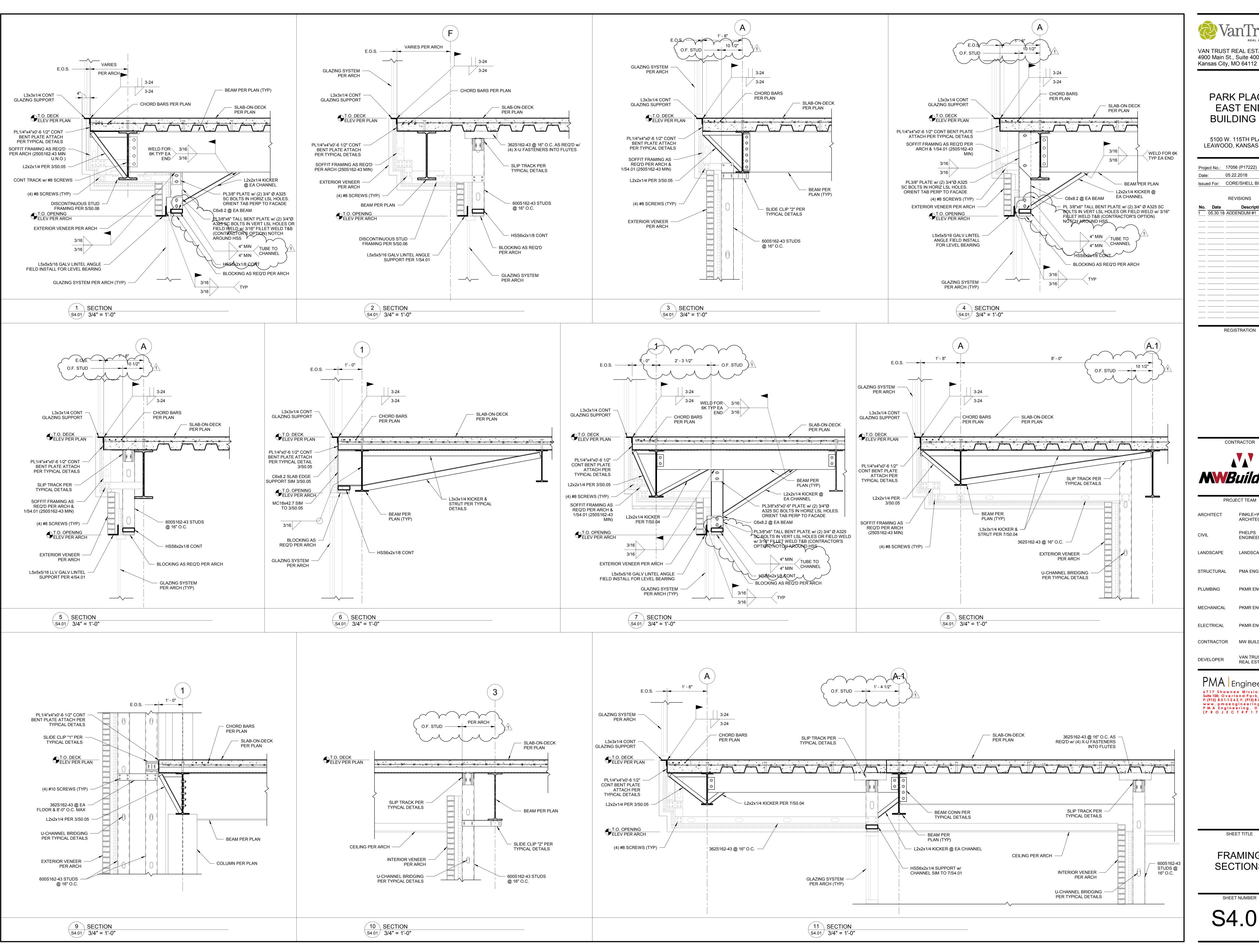
PKMR ENGINEERS ELECTRICAL MW BUILDERS

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SHEET TITLE

FOUNDATION SECTIONS



> PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018 Issued For: CORE/SHELL BID SET

REVISIONS

1 05.30.18 ADDENDUM #1

REGISTRATION

CONTRACTOR

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE

ENGINEERING, INC. LANDSCAPE

PHELPS

PMA ENGINEERING

PKMR ENGINEERS

PKMR ENGINEERS

PKMR ENGINEERS

VAN TRUST

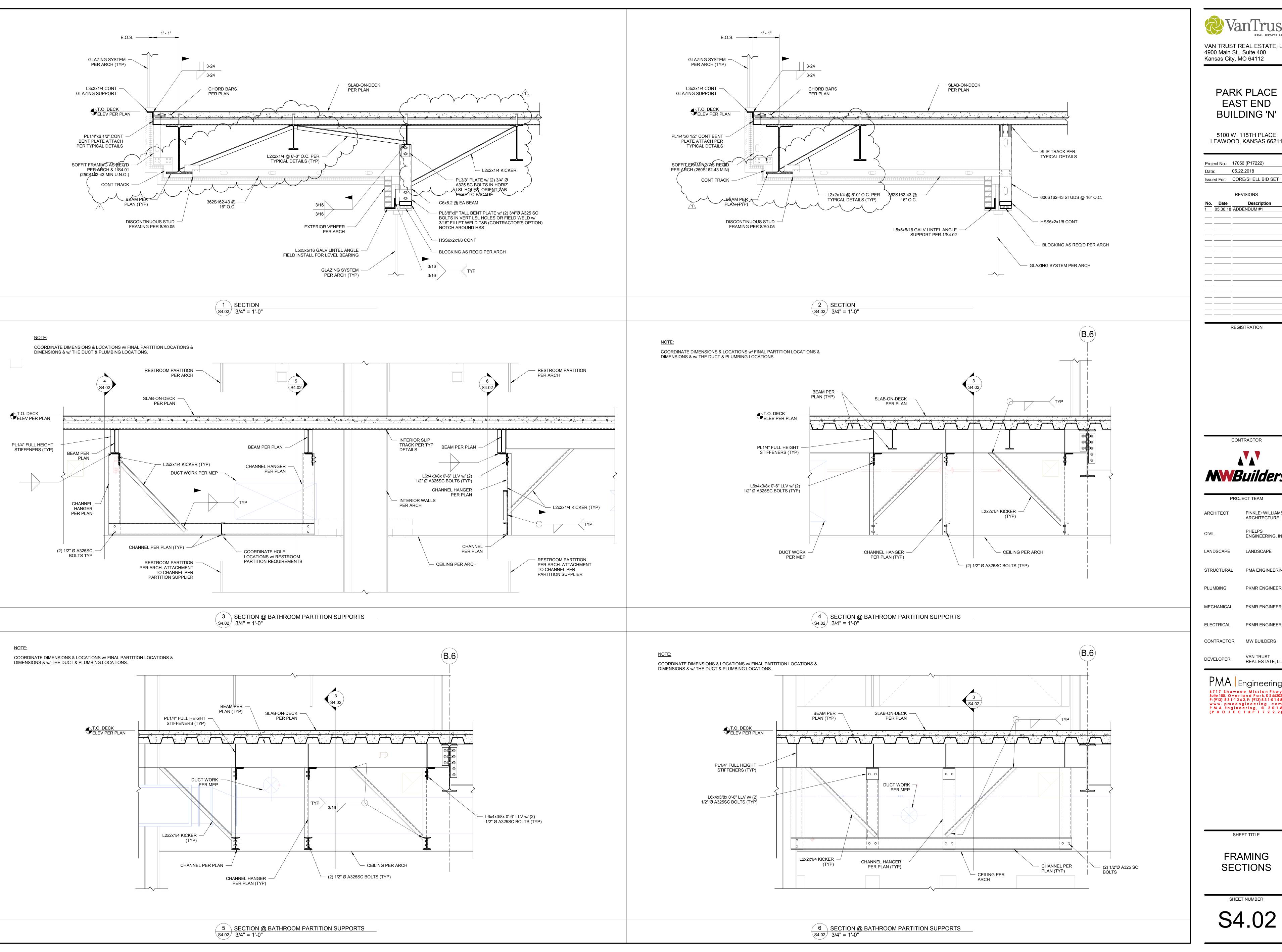
MW BUILDERS

REAL ESTATE, LLC PMA Engineering

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SHEET TITLE

FRAMING **SECTIONS**



VAN TRUST REAL ESTATE, LLC 4900 Main St., Suite 400 Kansas City, MO 64112

> PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018

REVISIONS

1 05.30.18 ADDENDUM #1

REGISTRATION

CONTRACTOR

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECT ARCHITECTURE

ENGINEERING, INC.

LANDSCAPE LANDSCAPE

STRUCTURAL PMA ENGINEERING

PKMR ENGINEERS PLUMBING

PKMR ENGINEERS MECHANICAL

PKMR ENGINEERS ELECTRICAL

CONTRACTOR MW BUILDERS

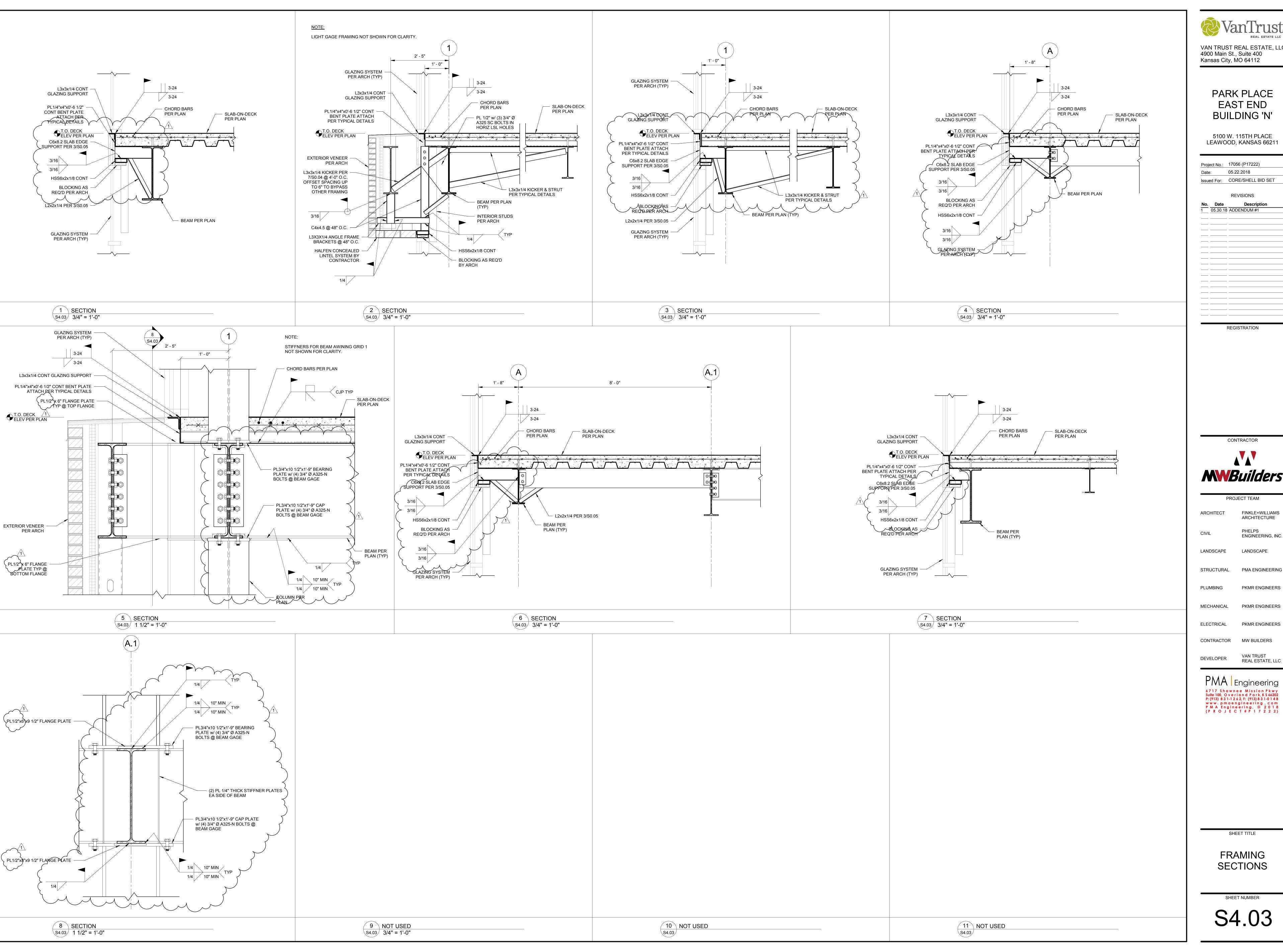
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SHEET TITLE

FRAMING SECTIONS

SHEET NUMBER S4.02





PARK PLACE **EAST END BUILDING 'N'**

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Project No.: 17056 (P17222) 05.22.2018 Issued For: CORE/SHELL BID SET

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1 05.30.18 ADDENDUM #1

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CONTRACTOR

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE

ENGINEERING, INC.

LANDSCAPE

PKMR ENGINEERS

PKMR ENGINEERS

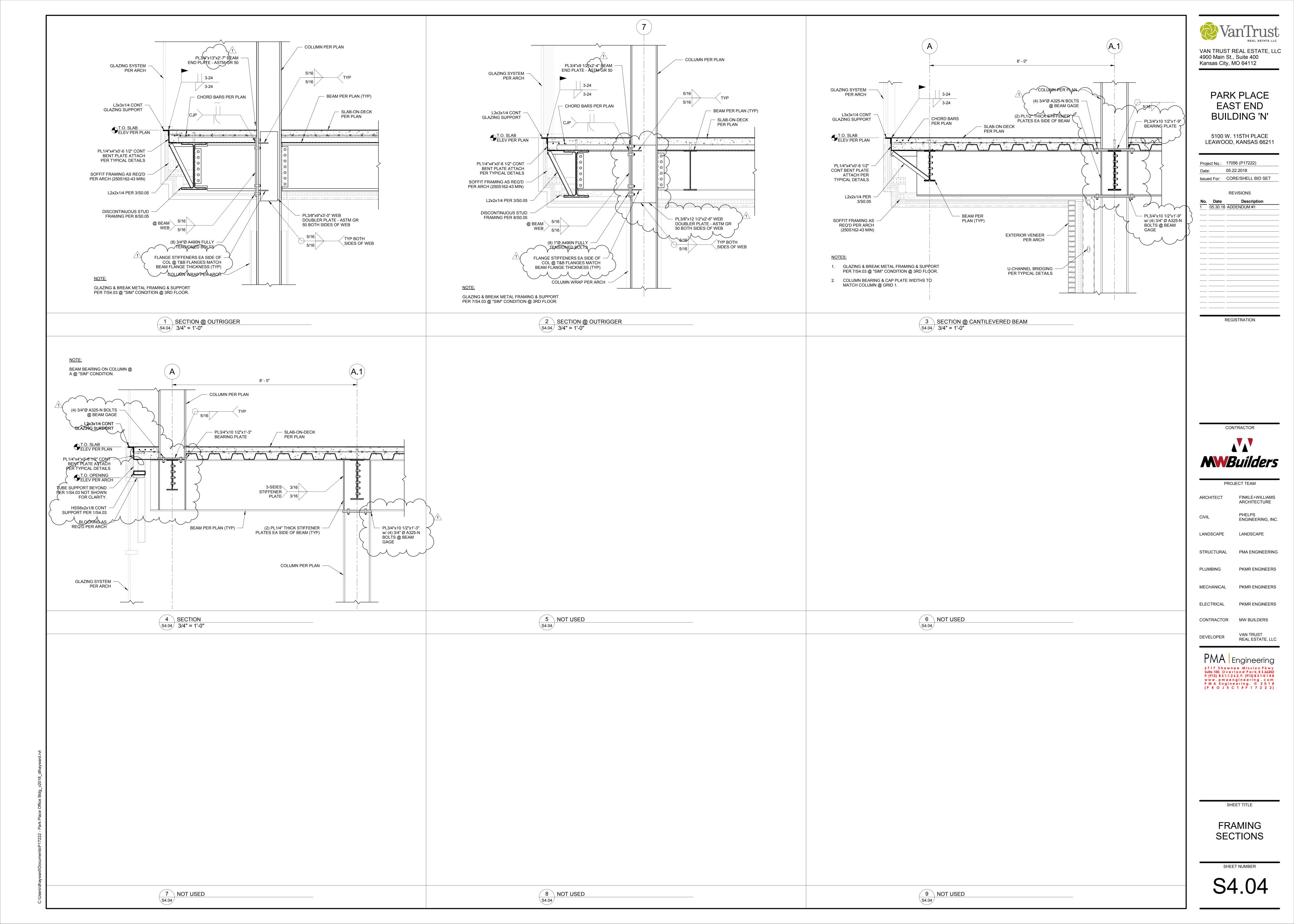
PKMR ENGINEERS

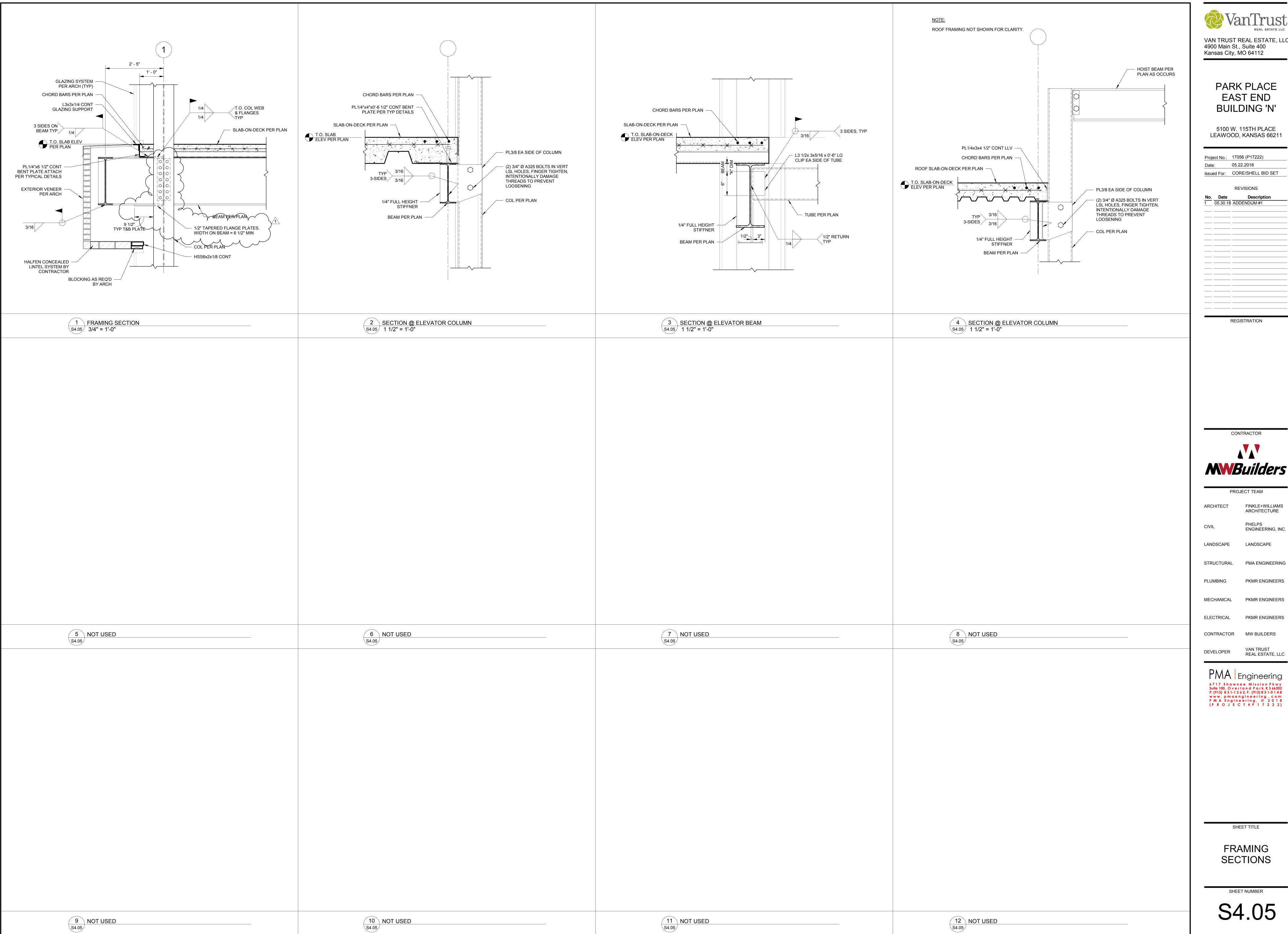
VAN TRUST REAL ESTATE, LLC

PMA Engineering

SHEET TITLE

FRAMING SECTIONS

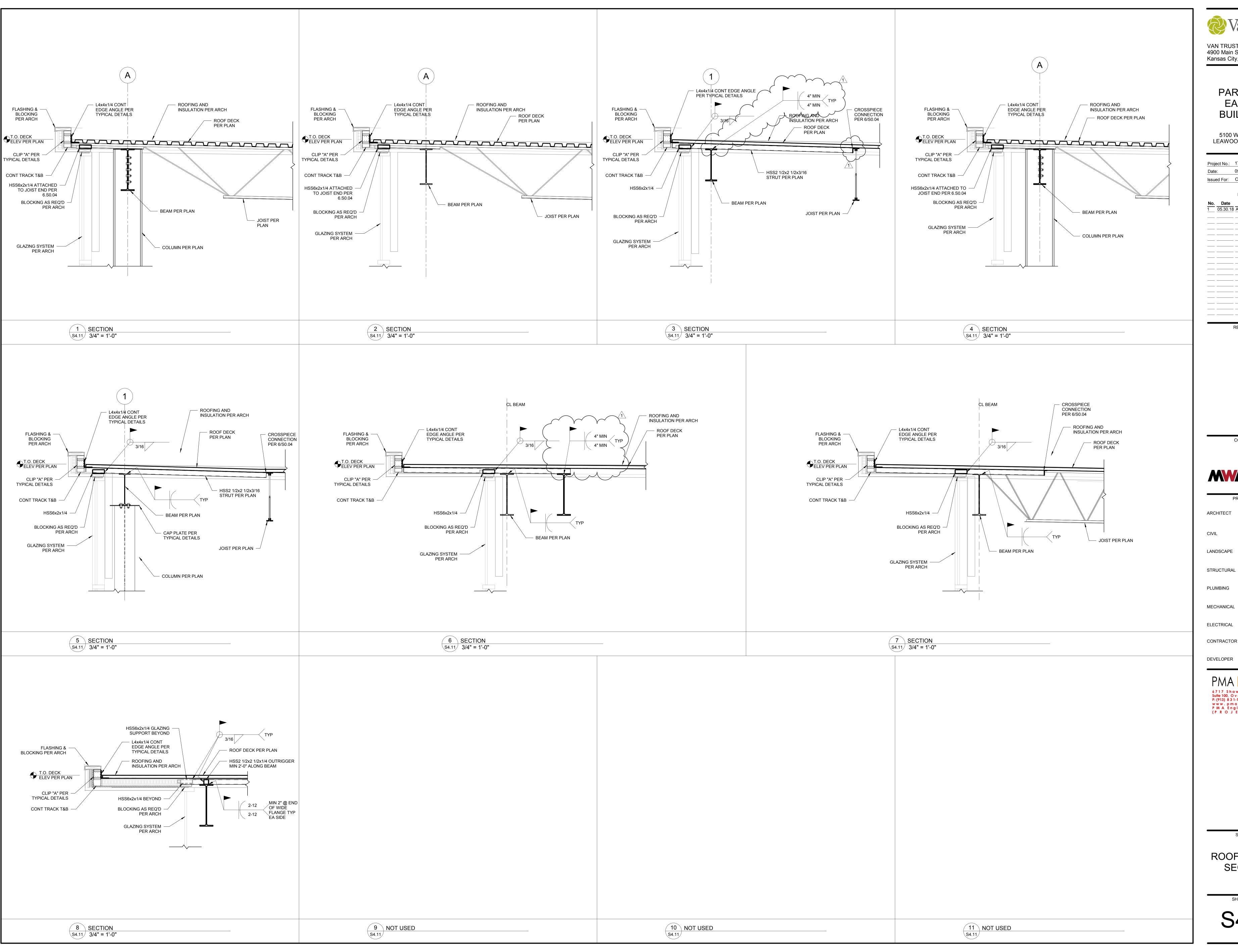




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PARK PLACE

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> PARK PLACE **EAST END BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

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REGISTRATION

CONTRACTOR

PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE

PHELPS ENGINEERING, INC.

LANDSCAPE

PMA ENGINEERING

PKMR ENGINEERS

PKMR ENGINEERS

PKMR ENGINEERS

CONTRACTOR MW BUILDERS

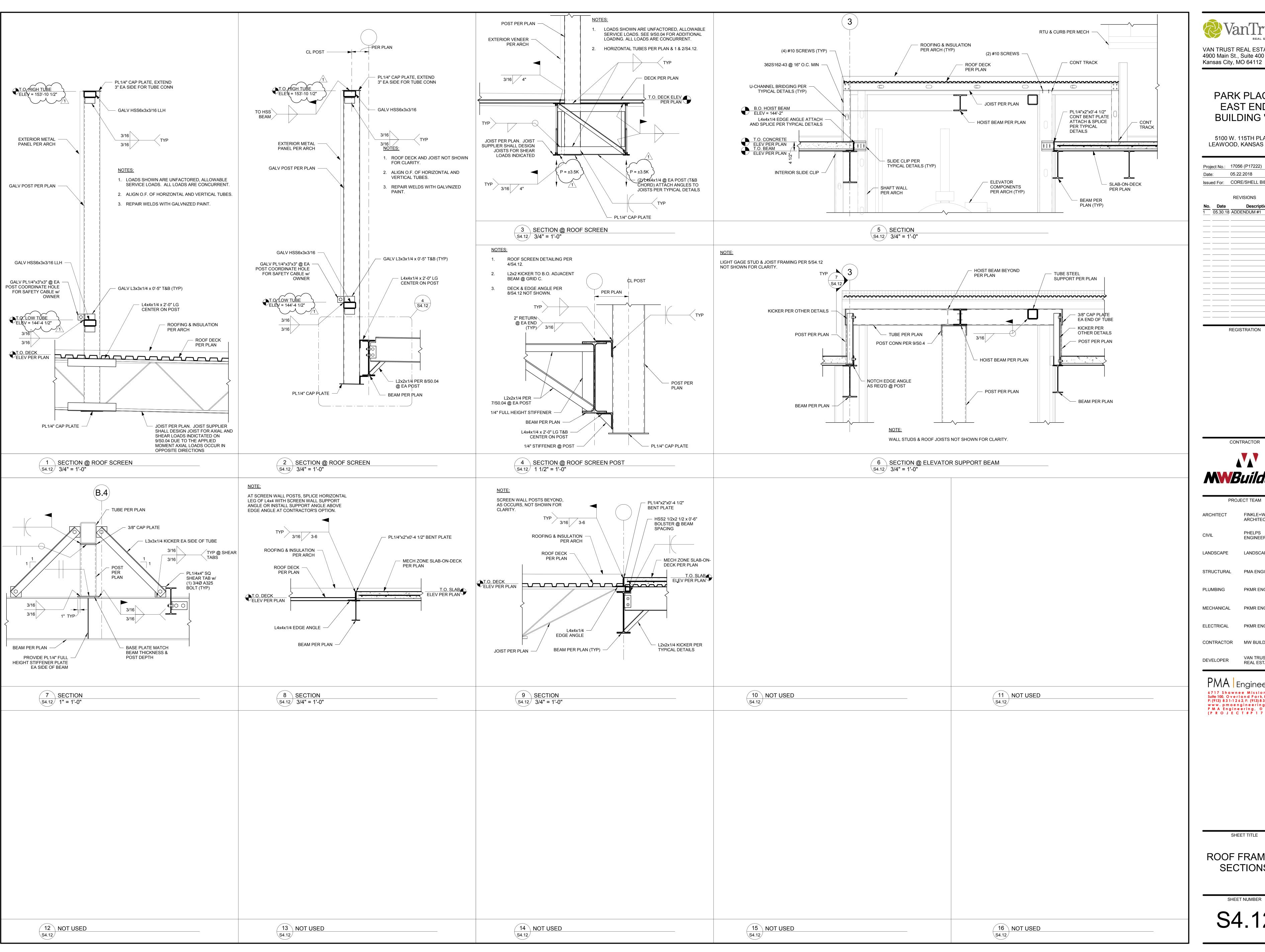
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SHEET TITLE

ROOF FRAMING SECTIONS

SHEET NUMBER S4.11



> PARK PLACE **EAST END BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018 Issued For: CORE/SHELL BID SET REVISIONS

05.30.18 ADDENDUM #1

REGISTRATION

CONTRACTOR

MWBuilders

PROJECT TEAM

FINKLE+WILLIAMS

ARCHITECTURE ENGINEERING, INC. LANDSCAPE

PMA ENGINEERING PKMR ENGINEERS

MECHANICAL PKMR ENGINEERS PKMR ENGINEERS

CONTRACTOR MW BUILDERS

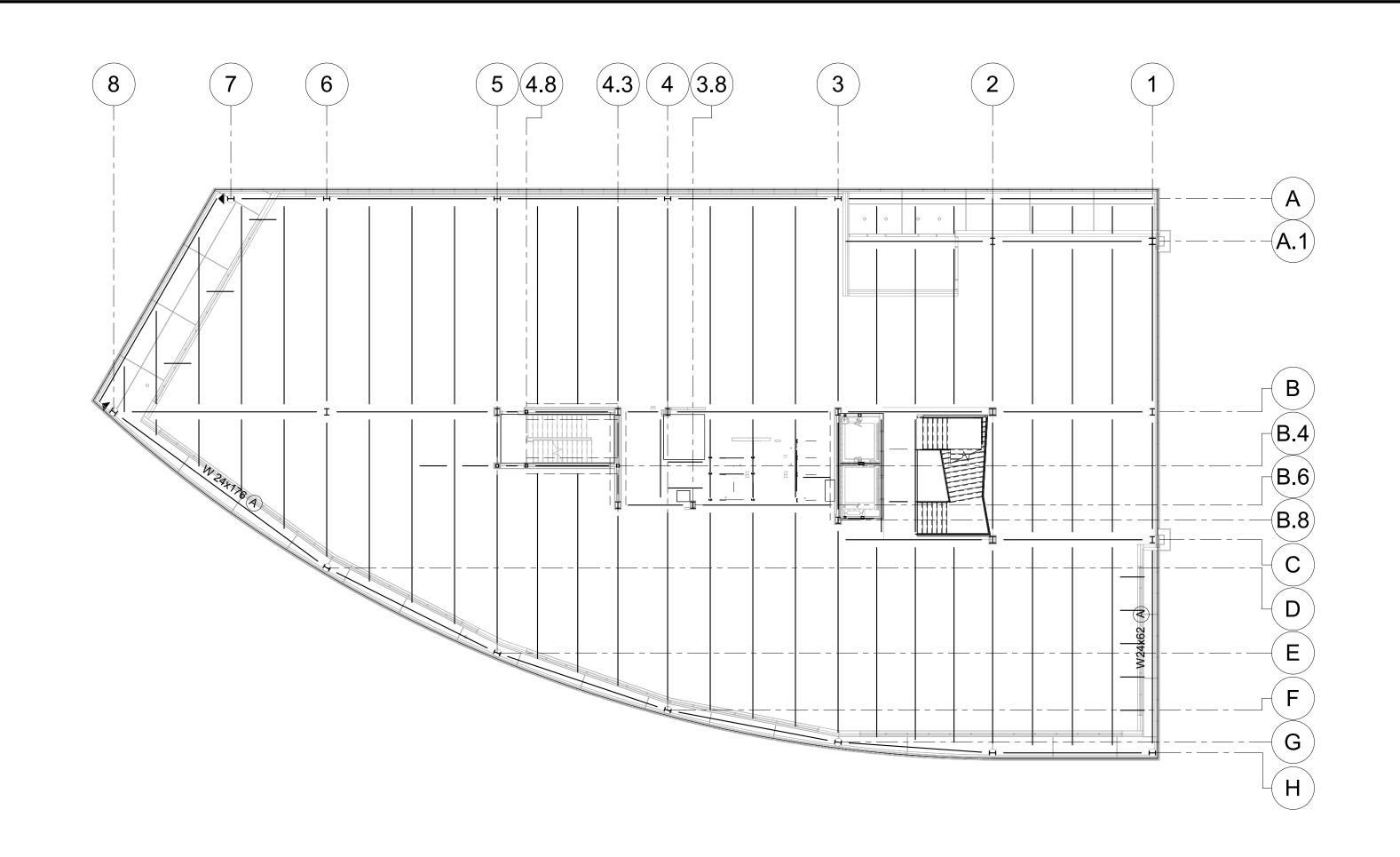
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SHEET TITLE

ROOF FRAMING SECTIONS

SHEET NUMBER S4.12



PLAN NOTES:

1. ADD ALTERNATE 1.1, PROVIDE CURTAIN WALL @ ENTIRE BUILDING PERIMETER PER ARCH.

- 2. ADD ALTERNATE 1-2, PROVIDE CURTAIN WALL @ HORIZONTAL INSET PER ARCH. PROVIDE COLUMN SIZES PER 2/S6.01 IF GLASS FIN ADD ALTERNATE 2.1 IS CHOSEN IN
- COMBINATION w/ CURTAINWALL.
- 4. SEE DETAIL 3/S6.01 FOR DETAIL @ 3RD FLOOR w/ BYPASS CURTAIN WALL.
- 5. SEE 7/S6.01 FOR REIVSED LIVE LOAD & DEAD LOAD DEFLECTION CRITERIA @ CURTAIN WALL. 6. ALL DIMENSIONS SHALL BE PER S2.01 OR S2.02. ALL BEAMS, COLUMNS, & OTHER FRAMING MEMBERS SHALL BE PER S2.01 OR S2.02, AS APPLICABLE, UNLESS SPECIFICALLY CALLED OUT

BEAM SIZE APPLICABLE TO ADD ALTERNATE 1.1 ONLY. MAINTAIN BEAM SIZE PER S2.01 OR OTHER PLANS THIS SHEET IF ADD ALTERNATE 1.1 NOT USED.

PLAN NOTES:

- 1. ADD ALTERNATE 1.1, PROVIDE CURTAIN WALL @ ENTIRE BUILDING PERIMETER PER ARCH.
- 2. ADD ALTERNATE 1-2, PROVIDE CURTAIN WALL @ HORIZONTAL INSET PER ARCH.
- 3. SEE DETAIL 3/S6.01 FOR DETAIL @ 3RD FLOOR w/ BYPASS CURTAIN WALL.
- 4. SEE 6/S6.01 FOR REIVSED LIVE LOAD & DEAD LOAD DEFLECTION CRITERIA @ CURTAIN WALL.
- 5. ALL DIMENSIONS SHALL BE PER S2.01 OR S2.02. ALL BEAMS, COLUMNS, & OTHER FRAMING MEMBERS SHALL BE PER S2.01 OR S2.02, AS APPLICABLE, UNLESS SPECIFICALLY CALLED OUT

PLAN REFERENCE NOTES:

- BEAM SIZE APPLICABLE TO ADD ALTERNATE 1.1 ONLY. MAINTAIN BEAM SIZE PER S2.01 OR OTHER PLANS THIS SHEET IF ADD ALTERNATE 1.1 NOT USED.
- (B) COLUMN SIZE APPLICABLE AT ALL FLOORS.

NORTH 2 ADD ALTERNATE 1.1, 1.2, 2.1, AND 2.2 S6.01 1/16" = 1'-0"

PERIMETER BEAM LOAD DEFLECTIONS @ ADD ALTERNATES 1.1, 1.2 + 2.1, & 2.2

	BEAM SIZE	LENGTH	FLOOR Δ LL MAX (INCHES)	FLOOR Δ DL MAX (INCHES)
FLOOR BEAMS	W18x35	30'	0.5	0.18
	W16x31	29'	0.5	0.22
	W24x94	≤ 36'	0.5	0.17
	W21x50	≤ 30'	0.25	0.05
	W24x117	43.67'	0.51	0.22
	W24x176	≤ 50'	0.46	0.34
	W24x103	≤ 35'	0.48	0.2
	W24x68	≤ 30'	0.48	0.2
	W24x76	30'	0.48	0.2
	W24x62	40'	0.4	0.31
	W16x26	24'	0.25	0.37
	W27x84	≤ 36'	0.44	0.22
,	W18x40	≤ 30'	0.25	0.06
	W27x114	43.67'	0.55	0.2
	W30x108	≤ 50'	0.49	0.02
	W27x94	≤ 35'	0.45	0.11
l				

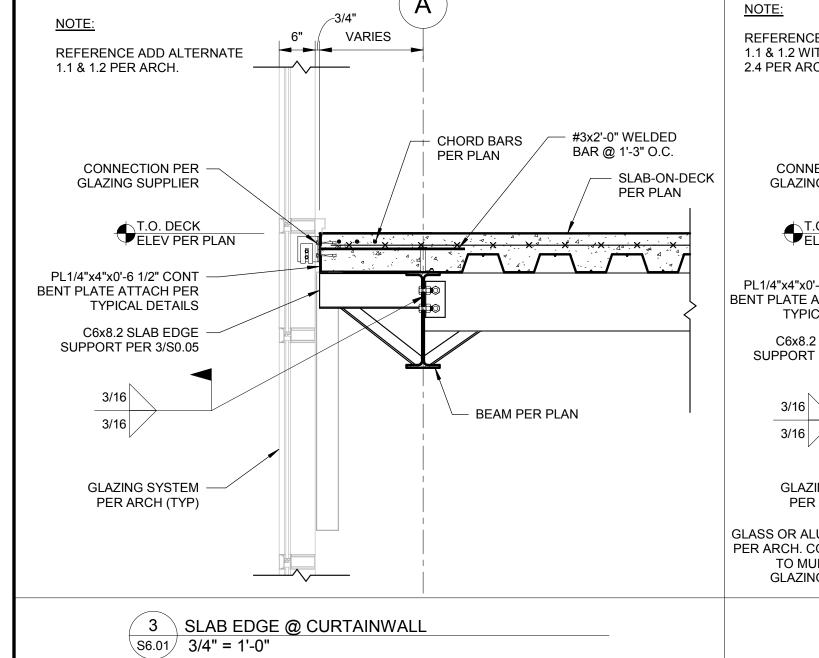
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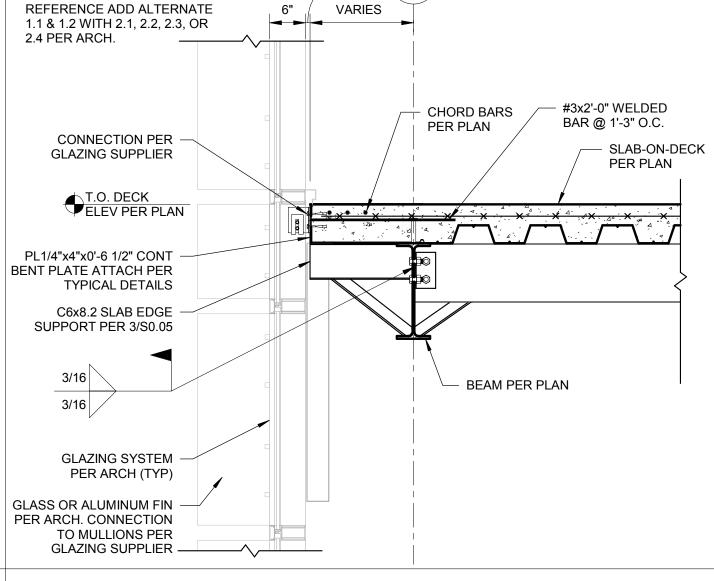
W21x44

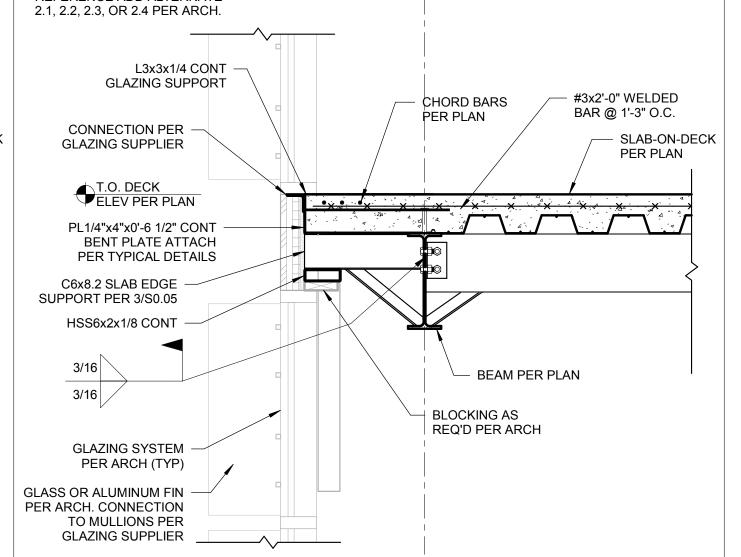
40'

NOTES:

- 1. DEFELCTIONS SHOWN ARE MAXIMUM LOAD DEFLECTIONS. FLOOR DEAD LOAD DEFLECTIONS ARE BASD ON POST-COMPOSITE DEFLECTIONS. ROOF DEAD LOAD DEFLECTIONS ARE BASED ON TOTAL ROOF DEAD LOAD.
- 2. ROOF AND FLOOR LIVE LOAD DEFLECTIONS MAY OCCUR SEPARATELY OR CONCURRENTLY.
- 3. SEE TABLE 14/S0.05 FOR ROOF LOAD DEFLECTIONS.
- 4. FOR BEAM SIZES NOT INDICATED ON 2/S6.01 SEE SHEETS S2.01 & S2.02.







NOTE:

REFERENCE ADD ALTERNATE

5 SLAB EDGE @ STOREFRONT w/ FINS S6.01 3/4" = 1'-0"

6 PERIMETER BEAM LOAD DEFLECTIONS 86.01 N.T.S.

0.22

PERIMETER BEAM LOAD DEFLECTIONS @ ADD ALTERNATES 2.1, & 2.2

				•	
LOOR BEAMS	/IS	BEAM SIZE	LENGTH	FLOOR Δ LL MAX (INCHES)	FLOOR Δ DL MAX (INCHES)
	EAN	W24x94	≤ 36'	0.5	0.15
		W21x50	≤ 30'	0.25	0.04
	2	W24x162	≤ 50'	0.46	0.23
	ഥ	W24x55	40'	0.44	0.19

7 PERIMETER BEAM LOAD DEFLECTIONS N.T.S.

1 ADD ALTERNATE 1.1, 1.2, 2.3, AND 2.4 S6.01 1/16" = 1'-0"

DEFELCTIONS SHOWN ARE MAXIMUM LOAD DEFLECTIONS. FLOOR DEAD LOAD DEFLECTIONS ARE BASD ON POST-COMPOSITE DEFLECTIONS. ROOF DEAD LOAD DEFLECTIONS ARE BASED

4 SLAB EDGE @ CURTAINWALL w/ FINS

- ROOF AND FLOOR LIVE LOAD DEFLECTIONS MAY OCCUR SEPARATELY OR CONCURRENTLY.
- 3. SEE TABLE 14/S0.05 FOR ROOF LOAD DEFLECTIONS.

ON TOTAL ROOF DEAD LOAD.

8 NOT USED S6.01



NOT USED S6.01



PARK PLACE EAST END **BUILDING 'N'**

5100 W. 115TH PLACE LEAWOOD, KANSAS 66211

Project No.: 17056 (P17222) 05.22.2018 Issued For: CORE/SHELL BID SET REVISIONS 1 05.30.18 ADDENDUM #1

REGISTRATION

CONTRACTOR

MWBuilders PROJECT TEAM

FINKLE+WILLIAMS ARCHITECTURE ENGINEERING, INC. LANDSCAPE LANDSCAPE PMA ENGINEERING

PKMR ENGINEERS PLUMBING PKMR ENGINEERS MECHANICAL

PKMR ENGINEERS ELECTRICAL CONTRACTOR MW BUILDERS

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DEVELOPER

SHEET TITLE

ADD ALTERNATE **PLANS**